



No. 45

9 NOVEMBER 2002



UNITED STATES OF AMERICA

NOTICE TO MARINERS



Published Weekly by the
National Imagery and Mapping Agency

Prepared Jointly with the
National Ocean Service and U.S. Coast Guard

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Visit the Maritime Safety Information Division website at
<http://pollux.nss.nima.mil/>



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IMPORTANT INFORMATION

The Notice to Mariners is published by the National Imagery and Mapping Agency (NIMA), under the authority of Department of Defense Directive 5105.40, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NIMA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other products produced by the National Imagery and Mapping Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Imagery and Mapping Agency (NIMA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Transportation), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

For further information concerning NIMA hydrographic products and services, including the Maritime Safety Information Website, users may contact:

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Information Division	301-227-5006	287-5006	301-227-5745
World-Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Fleet Liaison Officer	301-227-3120	287-3120	301-227-4211
Maritime Safety Information Website	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3, 4, 5	301-227-3146	287-3146	301-227-3175
Notice to Mariners: Regions 6 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3183	287-3183	301-227-3174
Navigation Science Publications	301-227-3120	287-3120	301-227-3731
Distribution Issues	301-227-7652	287-7652	301-227-4211

The Maritime Safety Information Website can be accessed via the NIMA Homepage (www.nima.mil) under the Safety of Navigation icon or directly at (<http://pollux.nss.nima.mil>). For your convenience NIMA provides three e-mail addresses. For information affecting Notice to Mariners use NavNotices@nima.mil, for information affecting Sailing Directions and all other navigational publications use SDPUBS@nima.mil, for information concerning the Maritime Safety Information Website, use webmaster_nss@nima.mil.

Mariners are requested to notify NIMA of discrepancies in charts and publications, using the Marine Information Report and Suggestion Sheet at the back of this Notice to Mariners. This form should also be used to report permanent changes, additions, or deletions from charted or published information. Reports which constitute an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. All reports are greatly appreciated.

Cover Photo: The **USS ABRAHAM LINCOLN (CVN-72)** is America's fifth Nimitz class carrier and was named in honor of our nation's 16th President and the second ship to bear the name. She was built in Virginia by Newport News Shipbuilding and Drydock Co. at a cost of more than \$3.5 billion. Construction took nearly five years and more than 40 million manhours. A marvel of engineering, craftsmanship and technology she was christened on 13 February 1988 and was commissioned 11 November 1989. **USS ABRAHAM LINCOLN** is charged with supporting America's tactical air capability and maintaining open sea lanes. As it carries out this mission on the oceans of the world, Lincoln brings a message of peace through strength. The ship's logo, "shall not perish," comes from President Lincoln's own vision of our nation described in his famous Gettysburg Address: "...that the government of the people, by the people, for the people, shall not perish from the Earth". She is 1,092 feet in length, has a beam of 252 feet, a height of 206 feet, a full displacement of 104,112 tons and it's four main engines develop 260,000 SHP. She can carry 80+ tactical, combat and support aircraft including the F/A-18 Hornet, F-14 Tomcat, EA-6B Prowler, S-3B Viking, C-2A Greyhound, E-2C Hawkeye, SH-60F Seahawk and HH-60H Helicopter. She can accommodate 6,000+ sailors and 200 Officers. The Lincoln is homeported at Naval Station Everett, Washington.

INFORMATION
OF
SPECIAL INTEREST
OR
IMPORTANCE
TO
MARINERS

NM 45/02

HYDROGRAM

**National Imagery and Mapping Agency
Bethesda, MD 20816-5003**

SPECIAL
ANNOUNCEMENTS

NEW PRODUCTS
OR SERVICES

IMPORTANT
CHANGES

9 November 2002

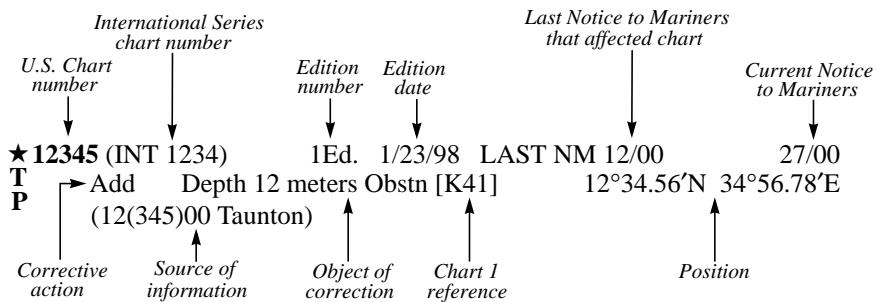
NEW EDITION OF LIST OF LIGHTS

PUB. 113, 2002 EDITION, LIST OF LIGHTS, RADIO AIDS AND FOG SIGNALS FOR THE WEST COASTS OF EUROPE AND AFRICA, THE MEDITERRANEAN SEA, BLACK SEA AND AZOVSKOYE MORE (SEA OF AZOV), IS READY FOR ISSUE. SEE SECTIONS II AND III.

EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other related nautical publications. The information contained in these corrections is important to safe navigation. It is the user's responsibility to decide which of their charts and publications require correction. Consult the U.S. Coast Guard Local Notice to Mariners for information pertaining to waterways within the United States that are not normally used by oceangoing vessels. Because of the sometimes transitory nature of aids to navigation, depths and port information, local area sources should be consulted whenever possible. This publication is not required to be maintained intact. Portions may be separated for correction or attachment to an affected product. The Notice to Mariners is divided into the following sections:

Section I-1 contains corrections to nautical charts listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to U.S. Chart 1 Nautical Chart Symbols, Abbreviations and Terms for additional information pertaining to the correcting of charts. The illustration below describes the elements that comprise a typical chart correction:



A chart correction preceded by:

- ★ indicates that it is based upon original U.S. source information.
 - T indicates that it is temporary in nature.
 - P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.
- The letter M immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter M is not a part of the chart number.
- The letter N preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.
- Courses and bearings are given in degrees true.
- Light sectors are expressed in degrees true from the vessel TOWARD the light.
- The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.
- The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.
- Section I-2*** contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.
- Section I-3** lists all NIMA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

Section II-1 is a weekly listing of corrections to the NIMA Hydrographic Products Catalog, including new charts and publications. It also contains the latest price category information.

Section II-2* contains corrections to navigation publications, including Sailing Directions, Coast Pilots, Fleet Guides, Radio Navigational Aids (Pub. 117), *The American Practical Navigator* and other related nautical publications.

Section II-3* lists weekly updates to the USCG Light Lists.

Section II-4* lists weekly updates to the NIMA List of Lights.

Section II-5 lists all NIMA, NOS and USCG navigation publications which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the publication's announcement.

Section III-1 lists the message number of all in-force Navigational Warnings, and the text of those warnings promulgated during the previous week. Notice to Mariners Nos. 13, 26 and 39 list a summary of all in-force Navigational Warnings for the preceding quarter. Notice to Mariners No. 52 lists a complete summary of all in-force Navigational Warnings.

Section III-2 contains miscellaneous information of particular interest to the maritime community.

*The left-hand pages of these sections are intentionally blank.

**SECTION I
CHART CORRECTIONS**

NM 45/02

12 (INT 12) Delete R Bn	1Ed. 9/25/82 LAST NM 34/01	45/02 20°28'N 86°58'W	★11300 38Ed. 4/6/02 LAST NM 42/02 Add Platform [L10] Platform [L10] (40, 41/02 CG8)	45/02 27°40.3'N 95°52.8'W 28°02.4'N 96°22.0'W
Add Light symbol [P1] (Mex LL; NTM0007/2002)		20°30'N 86°58'W		
400 (INT 400) Add Light symbol [P1] (Mex LL; NTM0007/2002)	3Ed. 12/25/93 LAST NM 35/02	45/02 20°30'N 86°58'W	★11321 29Ed. 12/15/01 LAST NM 41/02 Delete Platform (Supersedes 40/02-11321)	45/02 28°46'58"N 95°00'12"W
			Substitute Platform [L10] for submerged well (cov 72ft) and buoy (See 28/02-11321)	28°35'03"N 95°25'05"W
401 (INT 401) Add Light symbol [P1] (Mex LL; NTM0007/2002)	5Ed. 6/15/91 LAST NM 35/02	45/02 20°30'N 86°58'W	Platform [L10] for submerged well (cov 68ft) (Supersedes 39/02-11321)	28°33'09"N 95°24'12"W
411 Delete R Bn	48Ed. 4/28/01 LAST NM 42/02	45/02 20°28'N 86°58'W	(40/02 CG8)	
Change Light to Fl(2) 15M (Mex LL; NTM0007/2002)		20°30'N 86°58'W		
507 (INT 507) Delete Rock awash Dangerous submerged rock Rock awash	2Ed. 9/14/96 LAST NM 50/97	45/02 9°50'N 116°36'E 9°47'N 116°41'E 9°45'N 116°44'E	11323 59Ed. 3/30/02 LAST NM 39/02 Add Dangerous wreck [K28] (PA) (NOS)	45/02 28°55'42"N 94°39'06"W
Add Danger circle [K1] Danger circle [K1] (36(3833)02 Taunton)		11°48'N 117°50'E 11°43'N 117°34'E		
508 (INT 508) Delete Rock awash Dangerous submerged rock Rock awash	2Ed. 5/18/96 LAST NM 24/02	45/02 9°50'N 116°36'E 9°47'N 116°41'E 9°45'N 116°44'E	★11340 66Ed. 6/9/01 LAST NM 43/02 Add Dangerous wreck [K28] (PA) Dangerous wreck [K28] (PA) Wreck [K29] (PA) Platform [L10] (41/02 CG8)	45/02 28°31.7'N 90°58.7'W 28°49.0'N 91°15.0'W 28°26.4'N 91°28.8'W 28°02.2'N 92°29.4'W
Add Danger circle [K1] Danger circle [K1]		11°48'N 117°50'E 11°43'N 117°34'E		
Depth 370 meters enclosed by depth contour (1000-meter)		11°33'N 113°21'E		
Depth 270 meters enclosed by depth contour (1000-meter)		11°11'N 113°54'E		
Depth 198 meters enclosed by depth contour (200-meter)		10°07'N 112°58'E		
(36(3833, 3834)02 Taunton)				
550 Delete Dangerous submerged rock (ED) Dangerous submerged rock (ED) Dangerous submerged rock (ED)	7Ed. 2/9/85 LAST NM 24/02	45/02 9°50'N 116°36'E 9°47'N 116°41'E 9°45'N 116°44'E		
Substitute Depth 202 fathoms for 2350 fathoms Depth 147 fathoms for 2164 fathoms		11°33'N 113°21'E 11°11'N 113°54'E	★11353 2Ed. 3/16/02 LAST NM 43/02 Change Legend to "21 FT CENTERLINE AUG 2002" (NOS)	45/02 29°16'12"N 89°21'01"W
Add Danger circle [K1] Danger circle [K1]		11°48'N 117°50'E 11°43'N 117°34'E	★11356 34Ed. 8/4/01 LAST NM 42/02 Add Dangerous wreck [K28] (PA) (41/02 CG8)	45/02 28°49'00"N 91°15'00"W
Depth 18 fathoms		11°01'N 114°01'E		
Depth 281 fathoms		10°13'N 112°50'E		
Depth 108 fathoms		10°07'N 112°58'E		
(36(3833, 3834)02 Taunton)				
632 Add Depth 580 meters (36(3833)02 Taunton)	8Ed. 1/15/94 LAST NM 24/02	45/02 8°28'N 111°53'E	★11361 69Ed. 1/5/02 LAST NM 36/02 Change Legend to "21 FT CENTERLINE AUG 2002" (NOS)	45/02 29°15'55"N 89°21'56"W
			Add Submarine pipeline [L40.1] joining	28°59'19"N 89°04'56"W 28°59'28"N 89°05'22"W 28°59'28"N 89°05'30"W 28°59'18"N 89°06'27"W 28°58'51"N 89°07'17"W 28°58'42"N 89°07'42"W
Add Danger circle [K1] Danger circle [K1]		11°48'N 117°50'E 11°43'N 117°34'E		
Depth 18 fathoms		11°01'N 114°01'E		
Depth 281 fathoms		10°13'N 112°50'E		
Depth 108 fathoms		10°07'N 112°58'E		
(36(3833, 3834)02 Taunton)				
1116A Add Ed. 6/9/01 LAST NM 43/02		45/02	★11372 29Ed. 11/25/00 LAST NM 30/02 (Side A) Add Dangerous wreck [K28] (PA) (41/02 CG8)	45/02 30°12'24"N 89°02'18"W
Dangerous wreck [K28] (PA)		28°31.7'N 90°58.7'W		
Dangerous wreck [K28] (PA)		28°49.0'N 91°15.0'W		
Wreck [K29] (PA)		28°26.4'N 91°28.8'W		
Platform [L10]		28°02.2'N 92°29.4'W		
(41/02 CG8)				
1117A Add Ed. 4/6/02 LAST NM 42/02		45/02	★11373 42Ed. 6/02 LAST NM 42/02 Add Dangerous wreck [K28] (PA) (41/02 CG8)	45/02 30°12'24"N 89°02'18"W
Platform [L10]		27°40.3'N 95°52.8'W		
Platform [L10]		28°02.4'N 96°22.0'W		
(40, 41/02 CG8)				
11004 Add Platform [L10]	7Ed. 10/29/94 LAST NM 43/02 (41/02 CG8)	45/02 27°40.3'N 95°52.8'W	★11374 31Ed. 8/02 NEW EDITION (Side B) Add Light "WR8" Q 17ft 3M Ra ref (NOS)	45/02 30°18'52.7"N 88°20'28.0"W
			Add Light "WR6" Fl 4s 17ft 3M Ra ref (Previously published 42/02)	30°20'34.5"N 88°20'55.9"W
11411 Change Designation of light "2" to "PG"	14Ed. 8/02 LAST NM 43/02 (Side A) (31/02 CG7)	45/02 27°40'35"N 82°46'01"W		

11412	41Ed. 8/02 LAST NM 42/02 Change Light "2" to "PG" Mo(A) 16ft 5M 27°40'35"N 82°46'01"W (31/02 CG7)	45/02	★12372	31Ed. 8/02 NEW EDITION (Page A) Delete HORN from light	45/02
★11415	5Ed. 8/02 LAST NM 42/02 Change Light "2" to "PG" Mo(A) 16ft 5M 27°40'35"N 82°46'01"W (31/02 CG7)	45/02	(Page B, Inset 1) Add Buoy "A" W Or, Fl 4s (Priv) Buoy "B" W Or, Fl 4s (Priv) Buoy "C" W Or, Fl 4s (Priv) Buoy "D" W Or, Fl 4s (Priv) Buoy "E" W Or, Fl 4s (Priv) Buoy "F" W Or, Fl 4s (Priv) Buoy "G" W Or, Fl 4s (Priv) Buoy "H" W Or, Fl 4s (Priv) Buoy "I" W Or, Fl 4s (Priv)	41°18'13.9"N 71°51'30.3"W	45/02
★11545	60Ed. 9/02 NEW EDITION (NOS)	45/02	(NOS; 38, 39/02 CG1)	41°20'22.9"N 72°04'53.3"W 41°20'26.5"N 72°04'53.5"W 41°20'26.6"N 72°04'55.8"W 41°20'28.3"N 72°04'58.1"W 41°20'31.3"N 72°05'00.1"W 41°20'35.2"N 72°05'01.2"W 41°20'40.6"N 72°05'01.1"W 41°20'44.6"N 72°05'02.8"W 41°21'00.1"N 72°04'59.5"W	45/02
★12272	29Ed. 4/20/02 LAST NM 36/02 Delete Depth 34 feet	45/02	13205	36Ed. 4/14/01 LAST NM 42/02 Delete HORN from light (39/02 CG1)	45/02
	Add Depth 20 feet Obstn [K41] (NOS)	39°02'18"N 76°19'57"W		41°18'13"N 71°51'29"W	45/02
12273	53Ed. 4/13/02 LAST NM 36/02 Add Depth 20 feet Obstn [K41] (NOS)	45/02	13212	34Ed. 8/98 LAST NM 23/02 Add Buoy "A" W Or, Fl 4s (Priv) Buoy "B" W Or, Fl 4s (Priv) Buoy "C" W Or, Fl 4s (Priv) Buoy "D" W Or, Fl 4s (Priv) (38/02 CG1)	45/02
12278	72Ed. 4/20/02 LAST NM 36/02 Substitute Depth 20 feet Obstn [K41] for 34 feet (NOS)	45/02		41°20'22.9"N 72°04'53.3"W 41°20'26.5"N 72°04'53.5"W 41°20'26.6"N 72°04'55.8"W 41°20'28.3"N 72°04'58.1"W	45/02
12280	3Ed. 7/02 LAST NM 43/02 Add Depth 20 feet Obstn [K41] (NOS)	45/02	★13213	39Ed. 9/6/97 LAST NM 8/02 Add Buoy "A" W Or, Fl 4s (Priv) Buoy "B" W Or, Fl 4s (Priv) Buoy "C" W Or, Fl 4s (Priv) Buoy "D" W Or, Fl 4s (Priv) Buoy "E" W Or, Fl 4s (Priv) Buoy "F" W Or, Fl 4s (Priv) Buoy "G" W Or, Fl 4s (Priv) Buoy "H" W Or, Fl 4s (Priv) Buoy "I" W Or, Fl 4s (Priv) (38/02 CG1)	45/02
12300	42Ed. 2/17/01 LAST NM 42/02 Delete HORN from light (39/02 CG1)	45/02		41°20'22.9"N 72°04'53.3"W 41°20'26.5"N 72°04'53.5"W 41°20'26.6"N 72°04'55.8"W 41°20'28.3"N 72°04'58.1"W 41°20'31.3"N 72°05'00.1"W 41°20'35.2"N 72°05'01.2"W 41°20'40.6"N 72°05'01.1"W 41°20'44.6"N 72°05'02.8"W 41°21'00.1"N 72°04'59.5"W	45/02
12301	21Ed. 9/15/01 LAST NM N42/02 Delete HORN from light (39/02 CG1)	N45/02	★13214	27Ed. 6/02 LAST NM 34/02 Delete HORN from light (39/02 CG1)	45/02
12316	28Ed. 8/25/01 LAST NM 42/02 (Side B) Delete Depth 21 feet	45/02		41°18'14.2"N 71°51'30.8"W	45/02
	Substitute Depth 8 feet Wk [K26] for 29 feet	39°07'18"N 74°41'43"W	13215	17Ed. 10/23/99 LAST NM 14/02 Delete HORN from light (39/02 CG1)	45/02
	Add Depth 16 feet Obstn [K41] (NOS)	39°06'55"N 74°41'39"W		41°18'14.5"N 71°51'31.3"W	45/02
★12318	40Ed. 2/17/01 LAST NM 39/02 Delete Depth 21 feet	45/02	13218	38Ed. 3/10/01 LAST NM 42/02 Change Visibility (range) of light to 15M (38/02 CG1)	45/02
	Add Depth 16 feet Obstn [K41] (NOS)	39°07'15"N 74°41'40"W		41°37'50"N 70°41'39"W	45/02
12327	95Ed. 2/23/02 LAST NM 43/02 Relocate Buoy "3" from 40°39'32"N 74°03'54"W to 40°39'34"N 74°03'54"W (39/02 CG1)	45/02	13229	27Ed. 7/28/01 LAST NM 42/02 (Page F) Change Visibility (range) of light to 15M	45/02
12334	64Ed. 8/12/00 LAST NM 33/02 Relocate Buoy "3" from 40°39'33.1"N 74°03'54.3"W to 40°39'33.9"N 74°03'54.2"W (39/02 CG1)	45/02		41°37'51"N 70°41'39"W	45/02
12337	22Ed. 11/15/97 LAST NM 31/02 Relocate Buoy "12" from 40°45'04.8"N 74°04'39.9"W to 40°45'05.1"N 74°04'41.3"W (39/02 CG1)	45/02	13230	45Ed. 3/17/01 LAST NM 42/02 Change Visibility (range) of light to 15M (38/02 CG1)	45/02
★12354	39Ed. 12/15/01 LAST NM 37/02 Relocate Buoy "CDA" from 41°09'00"N 72°52'44"W to 41°09'13"N 72°52'30"W (40/02 CG1)	45/02	13236	29Ed. 11/6/99 LAST NM 36/01 Change Visibility (range) of light to 15M (38/02 CG1)	45/02
			13274	24Ed. 5/12/01 LAST NM 27/02 (Side B) Add Designation "PS" to buoy (40/02 CG1)	45/02
				41°37'52"N 70°41'39"W	45/02
			★13275	27Ed. 7/24/99 LAST NM 27/02 Add Designation "PS" to buoy (40/02 CG1)	45/02
				42°28'03.6"N 70°51'19.9"W	45/02

SECTION I

NM 45/02

★14823	29Ed. 12/4/99 LAST NM 9/00 (Inset Dunkirk Harbor)	45/02	Visibility (range) of light to 19M (Mex LL)	31°48.8'N 116°48.7'W
	Substitute Depth 17 feet for 8 feet (NOS)	42°29'35.5"N 79°20'43.1"W		
14838	2Ed. 12/4/99 LAST NM 38/02 (Inset Dunkirk Harbor)	45/02		
	Substitute Depth 17 feet for 8 feet (NOS)	42°29'35.5"N 79°20'43.1"W		
★14916	10Ed. 7/02 NEW EDITION (NOS)	45/02		
★14930	24Ed. 11/8/97 LAST NM 46/01 Add Depth 12 feet (NOS)	45/02		
		42°06'43.6"N 86°28'44.0"W		
17005	10Ed. 5/27/95 LAST NM 41/02 Add Purple dashed-line circle with legend "Unexploded ordnance" Purple dashed-line circle with legend "Unexploded ordnance" (23001)02 Ottawa	45/02		
		48°19.4'N 125°41.3'W		
		48°16.1'N 126°06.3'W		
17550	4Ed. 12/3/94 LAST NM 44/02 Add Purple dashed-line circle with legend "Unexploded ordnance" Purple dashed-line circle with legend "Unexploded ordnance" (23001)02 Ottawa	45/02		
		48°19.4'N 125°41.3'W		
		48°16.1'N 126°06.3'W		
18000	8Ed. 8/21/93 LAST NM 8/02 Add Racon [S3.1] at light (Mex LL)	45/02		
		29°47.4'N 115°47.5'W		
18002	6Ed. 5/13/95 LAST NM N8/02 Add Racon [S3.1] at light (Mex LL)	N45/02		
		29°47.4'N 115°47.5'W		
18003	18Ed. 1/6/01 LAST NM 44/02 Add Purple dashed-line circle with legend "Unexploded ordnance" Purple dashed-line circle with legend "Unexploded ordnance" (23001)02 Ottawa	45/02		
		48°19.4'N 125°41.3'W		
		48°16.1'N 126°06.3'W		
18020	36Ed. 1/27/01 LAST NM 37/02 Change Visibility (range) of light to 17M (Mex LL)	45/02		
		32°31.8'N 117°07.0'W		
18022	33Ed. 1/26/02 LAST NM 37/02 Change Visibility (range) of light to 17M Visibility (range) of light to 19M (Mex LL)	45/02		
		32°31.8'N 117°07.0'W		
		31°48.8'N 116°48.7'W		
★18474	7Ed. 8/02 NEW EDITION (NOS)	45/02		
18480	28Ed. 4/6/02 LAST NM 44/02 Add Purple dashed-line circle with legend "Unexploded ordnance" Purple dashed-line circle with legend "Unexploded ordnance" (23001)02 Ottawa	45/02		
		48°19.4'N 125°41.3'W		
		48°16.1'N 126°06.3'W		
18740	39Ed. 7/28/01 LAST NM 37/02 Change Visibility (range) of light to 17M (Mex LL)	45/02		
		32°31.8'N 117°07.0'W		
18741	18Ed. 9/9/95 LAST NM N25/02 Change Light to Fl(3) 6s 105ft 17M (Mex LL)	N45/02		
		32°31.8'N 117°07.0'W		
18760	6Ed. 9/5/98 LAST NM N35/02 Change Visibility (range) of light to 17M	N45/02		
		32°31.8'N 117°07.0'W		
18765	15Ed. 2/16/02 LAST NM 25/02 Change Visibility (range) of light to 17M (Mex LL)	45/02		
		32°31'46"N 117°06'59"W		
18766	7Ed. 11/26/83 LAST NM 25/02 Change Visibility (range) of light to 17M Visibility (range) of light to 19M (Mex LL)	45/02		
		32°31'46"N 117°06'59"W		
		31°48'48"N 116°48'42"W		
18768	4Ed. 3/11/95 LAST NM N25/02 Change Visibility (range) of light to 17M Visibility (range) of light to 19M (Mex LL)	N45/02		
		32°31'46"N 117°06'59"W		
		31°48'48"N 116°48'42"W		
★19010	17Ed. 8/02 NEW EDITION (NOS)	45/02		
21005	5Ed. 12/26/81 LAST NM 39/96 Add Racon [S3.1] at light (Mex LL)	45/02		
		29°47.4'N 115°47.5'W		
21021	3Ed. 2/7/98 LAST NM 21/98 Change Height of light to 16m Visibility (range) of light to 19M (Mex LL)	45/02		
		31°51'43.0"N 116°40'06.0"W		
		31°48'42.0"N 116°48'28.0"W		
21140	1Ed. 7/9/88 LAST NM 5/99 Change Visibility (range) of light to 17M Visibility (range) of light to 19M Visibility (range) of light to 10M Height of light to 16m (Mex LL)	45/02		
		32°31.8'N 117°07.0'W		
		31°48.8'N 116°48.7'W		
		30°57.7'N 116°19.8'W		
		31°51.5'N 116°40.4'W		
21160	1Ed. 9/17/88 LAST NM 39/96 Change Visibility (range) of light to 10M Add Racon [S3.1] at light (Mex LL)	45/02		
		30°57.7'N 116°19.8'W		
		29°47.4'N 115°47.5'W		
21563	3Ed. 2/14/98 LAST NM 37/01 Change Characteristic of range beacon, front to FG Characteristic of range beacon, rear to FG (NTM0007/2002)	45/02		
		8°38'08.1"N 83°09'57.3"W		
		8°38'21.1"N 83°09'47.6"W		
22403	1Ed. 10/9/51 LAST NM N22/01 Change Light to Fl 5s 7m 7M (11(206)01 Valparaiso)	N45/02		
		49°10.5'S 74°23.5'W		
22409	4Ed. 5/20/83 LAST NM N45/01 (Right Panel) Change Light to Fl 5s 7m 7M (11(206)01 Valparaiso)	N45/02		
		49°10'32"S 74°22'08"W		
22413	Ed. 1/1/70 LAST NM N17/00 Change Light to Fl 5s 8m 8M Note: Obscured sector unchanged (11(207)01 Valparaiso)	N45/02		
		52°01.7'S 73°34.4'W		
24480	1Ed. 6/16/90 LAST NM 44/02 (Panel B) Change Visibility (range) of light to 20M (See 17/02-24480) (56/02 Bogota)	45/02		
		10°23.5'N 75°32.7'W		
24504	7Ed. 6/17/95 LAST NM 41/02 Change Visibility (range) of light to 20M (See 17/02-24504) (56/02 Bogota)	45/02		
		10°23'27"N 75°32'42"W		

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24508	2Ed. 5/27/95 LAST NM 41/02 Add Buoy "6A" R, pillar, cone topmark, Fl R 2s (56/02 Bogota)	45/02 10°18'57.6"N 75°34'39.6"W	36163	13Ed. 11/1/97 LAST NM 44/02 Add Depth 7.9 meters enclosed by depth contour (10-meter) (17(1718)02 Taunton)	45/02 51°24'02"N 3°07'48"W
24509	2Ed. 6/24/95 LAST NM 17/02 Change Visibility (range) of light to 20M (See 37/01, 17/02-24509) (56/02 Bogota)	45/02 10°23'27"N 75°32'41"W	37005	16Ed. 8/2/97 LAST NM 41/02 Add Depth 41 meters Wk [K26] (16(1635)02 Taunton)	45/02 54°27.8'N 0°26.1'W
24510	2Ed. 6/24/95 LAST NM 41/02 Change Visibility (range) of light to 20M (See 17/02-24510)	45/02 10°23'27"N 75°32'42"W	37010	23Ed. 9/7/96 LAST NM 41/02 Add Depth 41 meters Wk [K26] (16(1635)02 Taunton)	45/02 54°27.8'N 0°26.1'W
	Add Buoy "6A" R, pillar, cone topmark, Fl R 2s (56/02 Bogota)	10°18'58"N 75°34'40"W	37042	5Ed. 9/4/99 LAST NM 41/02 Add Stranded wreck [K24] (17(1719)02 Taunton)	45/02 50°09'57.0"N 5°04'45.0"W
28004	1Ed. 7/4/92 LAST NM 23/02 Add Light symbol [P1] (Mex LL; NTM0007/2002)	45/02 20°29.7'N 86°57.8'W	37044	16Ed. 4/4/98 LAST NM 14/02 Change Legend to "7m (2001)" (39(3833)01 Taunton)	45/02 50°21'40"N 4°07'00"W
28190	2Ed. 6/5/99 LAST NM 43/02 Change Visibility (range) of light to 13M Visibility (range) of light to 8M Visibility (range) of light to 12M (Mex LL)	45/02 18°31.2'N 88°16.2'W 18°23.9'N 87°23.0'W 18°15.8'N 87°50.2'W	37045	11Ed. 8/22/98 LAST NM 32/01 (Inset) Change Legend to "Dredged to 7 meters (2001)" (39(3833)01 Taunton)	45/02 50°21'38.8"N 4°07'07.2"W
28196	4Ed. 3/27/99 LAST NM 43/02 Relocate Light from 20°29'02.8"N 86°57'58.7"W to (PA) 20°29'42.6"N 86°57'49.2"W and change visibility (range) to 15M (Mex LL; NTM0007/2002)	45/02	37080	3Ed. 12/28/96 LAST NM 44/02 Delete R Bn at light (50(4844)00 Taunton)	45/02 49°10.8'N 2°14.9'W
28197	4Ed. 5/2/98 LAST NM 44/01 Relocate Light from 20°29'02.8"N 86°57'58.7"W to (PA) 20°29'42.6"N 86°57'49.2"W and change visibility (range) to 15M (Mex LL; NTM0007/2002)	45/02	37090	8Ed. 2/8/97 LAST NM 32/02 Delete R Bn at light (50(4844)00 Taunton)	45/02 49°10.8'N 2°14.9'W
35008	21Ed. 10/19/96 LAST NM 43/01 Delete HORN from light (39(3830)01 Taunton)	45/02 57°36.6'N 1°48.9'W	37343	10Ed. 3/7/98 LAST NM 11/02 Change Characteristic of buoy "No 5" to Fl(2) G 6s Characteristic of buoy "Banc du Turc" to Fl G 2.5s Characteristic of buoy "A6" to Fl(3) R 12s Characteristic of buoy "A5" to Fl(3) G 12s Characteristic of buoy "A4" to Fl(2) R 6s Add Light Fl(3) G 12s to buoy Light Fl(2) G 6s to buoy (15(3)02 Brest)	45/02 47°43'34.8"N 3°21'40.0"W 47°43'19.8"N 3°21'51.0"W 47°41'31.8"N 3°23'19.8"W 47°41'30.0"N 3°23'06.3"W 47°41'10.8"N 3°24'07.2"W 47°43'40.8"N 3°21'34.1"W 47°41'06.8"N 3°22'12.0"W
35009	19Ed. 12/2/95 LAST NM 41/02 Delete HORN from light (39(3830)01 Taunton)	45/02 57°36.6'N 1°48.9'W	37506	4Ed. 6/24/00 LAST NM 11/01 Relocate Light from 43°21'49.2"N 8°23'37.2"W to 43°21'50.7"N 8°23'41.4"W Add Land tint to area bound by shore and solid line joining (24(433)02 Cadiz)	45/02 43°21'48.0"N 8°23'46.8"W 43°21'50.7"N 8°23'41.4"W 43°21'49.2"N 8°23'37.2"W
35040	18Ed. 5/10/97 LAST NM 21/02 Add Depth 41 meters Wk [K26] (16(1635)02 Taunton)	45/02 54°27'45"N 0°26'07"W	43301	4Ed. 9/11/93 LAST NM 15/02 Add Light QR Light VQ(3) 5s Light QG (23(1147-1149)97 Stavanger)	45/02 61°19'25"N 5°03'28"E 61°18'58"N 5°03'14"E 61°19'28"N 5°04'03"E
35100	14Ed. 6/22/96 LAST NM 40/02 Delete HORN from light (39(3830)01 Taunton)	45/02 57°36.6'N 1°48.9'W	43363	5Ed. 6/5/93 LAST NM 28/99 Delete Submarine pipeline between Submarine cable between Change Color of buoy to YB Add Submarine pipeline [L40.1] joining (23(1153, 1162)97 Stavanger; Nor CH 9)	45/02 58°09'43"N 8°02'37"E 58°09'40"N 8°03'04"E 58°09'26"N 8°03'20"E 58°09'40"N 8°02'38"E 58°04'19"N 7°47'53"E 58°09'28"N 8°03'20"E 58°09'39"N 8°02'56"E 58°09'43"N 8°02'35"E
35120	13Ed. 10/28/95 LAST NM 40/02 Delete HORN from light (39(3830)01 Taunton)	45/02 57°36'36"N 1°48'54"W			
36005	(INT 1070) 2Ed. 2/24/96 LAST NM 38/02 Delete R Bn at light (50(4844)00 Taunton)	45/02 49°10.8'N 2°14.9'W			
36161	10Ed. 3/7/98 LAST NM 44/02 Add Depth 7.9 meters enclosed by depth contour (10-meter) (17(1718)02 Taunton)	45/02 51°24'02"N 3°07'48"W			
36162	10Ed. 9/5/98 LAST NM 35/02 Add Depth 7.9 meters enclosed by depth contour (10-meter) (17(1718)02 Taunton)	45/02 51°24'01.8"N 3°07'48.0"W			

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NM 45/02

43364	5Ed.	12/19/92	LAST NM 8/99	45/02	44185	7Ed.	3/23/96	LAST NM 37/01	45/02
Delete			Submarine pipeline in vicinity	58°09'41.0"N 8°03'00.0"E	Add		Submarine cable [L30.1] joining	59°19'00.0"N 18°56'58.2"E	
			Submarine cable between	58°09'28.0"N 8°03'19.2"E 58°09'42.0"N 8°02'37.3"E				59°17'55.8"N 18°56'48.0"E 59°17'45.6"N 18°57'35.4"E	
Add			Submarine pipeline [L40.1] joining	58°09'27.9"N 8°03'20.2"E 58°09'38.2"N 8°02'56.0"E 58°09'42.0"N 8°02'39.5"E				59°17'37.8"N 18°57'48.6"E 59°17'28.8"N 18°57'27.6"E 59°17'22.8"N 18°56'58.2"E 59°17'07.8"N 18°56'22.8"E 59°17'01.2"N 18°55'19.2"E	
(23(1162)97; Nor CH 9)									
43373	8Ed.	6/22/96	LAST NM 24/01	45/02	44186	2Ed.	6/15/96	LAST NM 21/02	45/02
Change			Period of light to 9s	58°54'47"N 11°05'40"E	Add		Submarine cable [L30.1] joining	59°25'30"N 18°56'18"E	
Add			Buoy R, spar (49(1128)00, 22(294)02 Norrkoping)	58°54'07"N 11°02'11"E				59°26'09"N 18°57'25"E	
43385	1Ed.	8/22/92	LAST NM 27/02	45/02				59°26'36"N 18°57'16"E	
Delete			Topmark from buoy	58°06'37"N 11°49'02"E				59°26'45"N 18°57'02"E	
			Topmark from buoy	58°08'06"N 11°50'06"E				59°26'58"N 18°55'04"E	
Change			Buoy to R, can, Fl R 3s	57°58'06"N 11°42'42"E				59°26'50"N 18°54'56"E	
			Buoy to R, can, Fl R 3s	57°55'30"N 11°38'36"E				59°26'56"N 18°54'53"E	
Add			Buoy G, conical, Fl(2) G 6s	57°56'06"N 11°32'46"E				59°26'52"N 18°53'54"E	
			Buoy R, can, QR	57°56'12"N 11°32'49"E				59°27'04"N 18°52'13"E	
(15-16(303, 305-307)01 Norrkoping; Swd CH 932)									
44042	7Ed.	8/22/92	LAST NM 44/02	45/02					
Delete			Light	57°38'39.9"N 11°50'37.2"E					
Relocate			Light from 57°42'13.4"N 11°41'06.8"E to	57°42'14.0"N 11°41'04.7"E	51103	10Ed.	5/4/02	LAST NM 33/02	45/02
Add			Light Fl 5s 3m 2M	57°37'47.2"N 11°46'12.7"E	Substitute			Double solid line (breakwater) [F4.2] for double dashed line in vicinity	42°13'30.2"N 8°46'05.5"W
			Buoy Y, spar, "X" topmark, Fl Y 3s	57°38'40.7"N 11°50'39.2"E	Add			Light QG 6m 1M	42°13'30.9"N 8°46'05.3"W
(9(189, 191)01, 30(399)02 Norrkoping)									
44180	6Ed.	7/6/91	LAST NM 34/02	45/02	51104	1Ed.	5/4/02	LAST NM 33/02	45/02
Add			Submarine cable [L30.1] joining	59°26.8"N 18°54.9"E 59°27.1"N 18°52.2"E 59°27.7"N 18°49.3"E 59°27.0"N 18°46.4"E 59°27.8"N 18°45.7"E	Substitute			Double solid line (breakwater) [F4.2] for double dashed line in vicinity	42°13'30.2"N 8°46'05.5"W
(47(1077)00 Norrkoping)									
44184	9Ed.	5/11/96	LAST NM 21/02	45/02	Add			Light QG 6m 1M	42°13'30.9"N 8°46'05.3"W
Add			Submarine cable [L30.1] joining	59°25'25.8"N 18°54'33.0"E 59°25'25.2"N 18°55'03.0"E 59°25'05.6"N 18°55'33.0"E 59°26'09.0"N 18°57'24.6"E 59°26'36.0"N 18°57'15.6"E 59°26'45.0"N 18°57'01.8"E 59°26'58.2"N 18°55'03.6"E 59°26'50.4"N 18°54'56.4"E 59°26'56.4"N 18°54'52.8"E 59°26'52.2"N 18°53'54.0"E 59°27'00.0"N 18°52'45.0"E					
			Submarine cable [L30.1] joining	59°25'26.4"N 18°54'33.0"E 59°25'21.0"N 18°54'46.8"E 59°25'04.8"N 18°54'56.4"E 59°24'48.6"N 18°54'20.4"E 59°22'56.4"N 18°51'59.4"E 59°22'22.8"N 18°51'47.4"E 59°21'46.8"N 18°52'59.4"E 59°21'45.0"N 18°53'30.0"E 59°21'52.8"N 18°54'26.4"E 59°21'34.2"N 18°55'08.4"E 59°21'32.4"N 18°56'10.8"E 59°21'26.4"N 18°56'18.0"E 59°20'51.0"N 18°56'33.0"E 59°19'58.2"N 18°57'07.2"E 59°17'55.8"N 18°56'48.0"E 59°17'45.6"N 18°57'35.4"E 59°17'37.8"N 18°57'48.6"E 59°17'28.8"N 18°57'27.6"E 59°17'22.8"N 18°56'58.2"E 59°17'07.8"N 18°56'22.8"E 59°17'01.2"N 18°55'19.2"E					
(47(1077, 1078)00 Norrkoping)									

51166	(Continued)			
	Dashed line (dredged area limit) between			
	36°37'07.8"N 6°19'16.8"W			
	36°36'47.4"N 6°19'20.6"W			
	Legend "Reported dredged to 11m (1999)"			
	36°37'06.0"N 6°19'39.0"W			
	(NTM0039/2002)			
51167	6Ed. 3/11/00 LAST NM 43/01	45/02		
Add	Buoy YBY, pillar, double cone topmark points together, Q(9) 15s	36°34'17.4"N 6°26'24.0"W		
	Buoy BY, pillar, double cone topmark points upward, Q	36°34'18.0"N 6°26'01.2"W		
	Buoy BYB, pillar, double cone topmark bases together, Q(3) 10s	36°34'07.8"N 6°26'00.6"W		
	Buoy YB, pillar, double cone topmark points downward, Q(6) + L Fl 15s	36°34'07.2"N 6°26'23.4"W		
	"Marine Farm" area bound by dashed line joining	36°34'17.4"N 6°26'24.0"W 36°34'18.0"N 6°26'01.2"W 36°34'07.8"N 6°26'00.6"W 36°34'07.2"N 6°26'23.4"W		
	(15(279)02 Cadiz)			
51168	2Ed. 6/25/94 LAST NM 43/01	45/02		
Add	Danger circle [K40] "Obstn (Marine farm)"	36°34'13"N 6°26'12"W		
	(15(279)02 Cadiz)			
52061	2Ed. 3/2/96 LAST NM 46/01	45/02		
Add	Buoy Y, spar, "X" topmark, Fl Y 5s	37°47'37"N 0°40'55"W		
	Buoy Y, spar, "X" topmark, Fl Y 5s	37°47'36"N 0°40'31"W		
	Buoy Y, spar, "X" topmark, Fl Y 5s	37°47'20"N 0°40'31"W		
	Buoy Y, spar, "X" topmark, Fl Y 5s	37°47'20"N 0°40'56"W		
	"Marine Farm" area bound by dashed line joining	37°47'37"N 0°40'55"W 37°47'36"N 0°40'31"W 37°47'20"N 0°40'31"W 37°47'20"N 0°40'56"W		
	(17(318)02 Cadiz)			
52082	3Ed. 9/16/00 LAST NM 41/01	45/02		
Add	Buoy Y, spar, "X" topmark, Fl Y 5s	37°47'37"N 0°40'55"W		
	Buoy Y, spar, "X" topmark, Fl Y 5s	37°47'36"N 0°40'31"W		
	Buoy Y, spar, "X" topmark, Fl Y 5s	37°47'20"N 0°40'31"W		
	Buoy Y, spar, "X" topmark, Fl Y 5s	37°47'20"N 0°40'56"W		
	"Marine Farm" area bound by dashed line joining	37°47'37"N 0°40'55"W 37°47'36"N 0°40'31"W 37°47'20"N 0°40'31"W 37°47'20"N 0°40'56"W		
	(17(318)02 Cadiz)			
52083	2Ed. 11/9/96 LAST NM 11/01	45/02		
Add	Fish haven symbol [K46.1]	40°32'15"N 0°33'31"E		
	(15(283)02 Cadiz)			
52084	2Ed. 8/26/95 LAST NM 41/01	45/02		
	(Plan A)			
Add	Buoy Y, can, "X" topmark, Fl(5) Y 13s	38°34'14.4"N 0°02'13.8"W		
	Buoy Y, can, "X" topmark, Fl(5) Y 13s	38°34'25.8"N 0°01'59.4"W		
	Buoy Y, can, "X" topmark, Fl(5) Y 13s	38°34'19.8"N 0°01'52.2"W		
	Buoy Y, can, "X" topmark, Fl(5) Y 13s	38°34'07.8"N 0°02'06.0"W		
	"Fish haven" area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	38°34'14.4"N 0°02'13.8"W 38°34'25.8"N 0°01'59.4"W 38°34'19.8"N 0°01'52.2"W 38°34'07.8"N 0°02'06.0"W		
	(21(387)02 Cadiz)			
52086	2Ed. 8/5/95 LAST NM 42/01	45/02		
Add	"Fish haven" area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	39°48'56"N 0°02'34"W 39°48'26"N 0°02'34"W 39°48'26"N 0°04'04"W 39°48'56"N 0°04'01"W		
	(17(319)02 Cadiz)			
52088	2Ed. 3/30/96 LAST NM 34/01	45/02		
Add	"Fish haven" area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	38°34'14"N 0°02'14"W 38°34'26"N 0°01'59"W 38°34'20"N 0°01'52"W 38°34'08"N 0°02'06"W		
	"Fish haven" area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	38°29'41"N 0°13'27"W 38°30'05"N 0°12'19"W 38°30'22"N 0°12'28"W 38°30'24"N 0°12'20"W 38°30'28"N 0°11'42"W 38°30'46"N 0°10'30"W 38°30'26"N 0°10'19"W 38°29'23"N 0°13'17"W		
	(Plan)			
Add	"Fish haven" area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	38°30'42.0"N 0°10'29.3"W 38°30'25.8"N 0°10'18.6"W 38°30'21.9"N 0°10'29.3"W		
	Note: Area extends beyond plan border (19(358), 21(387)02 Cadiz)			
52121	8Ed. 8/12/95 LAST NM 41/01	45/02		
	(Plan)			
Substitute	Double solid line (breakwater) [F4.2] for double dashed line in vicinity	41°05'04.0"N 1°11'37.0"E		
	(See 7/00-52121)			
	(20(375)02 Cadiz)			
52122	14Ed. 1/13/01 LAST NM 41/01	45/02		
Change	Vertical clearance of lift bridge to "18.5m"	41°21'53.0"N 2°10'52.5"E		
	(21(388)02 Cadiz)			
52125	1Ed. 4/28/01 LAST NM 41/01	45/02		
Add	Submarine pipeline (outfall) [L41.1] between	41°18'09"N 2°08'02"E 41°16'42"N 2°09'13"E		
	(17(320)02 Cadiz)			
55130	2Ed. 2/8/97 LAST NM 27/02	45/02		
Add	Depth 24 meters Wk [K26]	45°15.0"N 30°11.7'E		
	Depth 11 meters Obstn [K41]	45°14.1"N 30°03.6'E		
	(29(439)02 St. Petersburg)			
55131	1Ed. 11/16/96 LAST NM 36/02	45/02		
Add	Depth 24 meters Wk [K26]	45°15.0"N 30°11.7'E		
	Depth 11 meters Obstn [K41]	45°14.1"N 30°03.6'E		
	(29(439)02 St. Petersburg)			
62433	12Ed. 11/14/98 LAST NM 34/02	45/02		
Delete	Land tint area between	29°23'36.0"N 48°00'15.5"E 29°23'52.0"N 48°00'19.0"E		
	"Fish cages" area in vicinity	29°20'44.0"N 48°04'33.0"E		
	Buoy and legend "(4 buoys)"	29°20'49.0"N 48°04'35.0"E		
	Depth 1 meter Wk	29°23'58.0"N 48°09'33.0"E		
	Buoy (mooring)	29°23'44.5"N 47°58'06.0"E		
Add	Danger circle "Obstn" [K40]	29°24'26.0"N 47°58'23.0"E		
	Depth 11.2 meters Wk [K26]	29°23'39.0"N 48°03'24.0"E		
	Legend "(ED)" to depth 15.7 meters	29°24'22.8"N 48°04'24.0"E		
	(See 30, 34/02-62433)			
	(BA CH 1214)			

SECTION I

NM 45/02

62515	2Ed. 9/2/95 LAST NM 26/02 Add Chartlet A, depicting changes in hydrography and aids to navigation, from Subsection I-2 28°45'30"N 48°24'30"E	45/02	Depth 332 meters enclosed by depth contour (1000-meter) (34(3627)02 Taunton)	5°49'25"N 80°00'37"E
62540	6Ed. 1/26/02 LAST NM 40/02 Delete Depth 1 meter Wk (BA CH 1214)	45/02 29°24.0'N 48°09.5'E	63420 2Ed. 10/10/87 LAST NM 39/02 Add Dangerous wreck [K28] (PA) (5/02 Rangoon)	45/02 15°56.3'N 97°32.6'E
62541	3Ed. 1/26/02 LAST NM N40/02 Delete Depth 1 meter Wk (BA CH 1214)	45/02 29°24.0'N 48°09.5'E	63424 2Ed. 7/12/97 LAST NM 34/99 Add Dangerous wreck [K28] (PA) (5/02 Rangoon)	45/02 15°56'18"N 97°32'36"E
62570	4Ed. 1/26/02 LAST NM 40/02 Delete Depth 1 meter Wk Add Depth 11.2 meters Wk [K26] Legend "(ED)" to depth 15.7 meters Chartlet, depicting changes in hydrography and aids to navigation, from Subsection I-2 (BA CH 1214, 1223)	45/02 29°23'58"N 48°09'33"E 29°23'39"N 48°03'24"E 29°24'23"N 48°04'24"E 28°45'00"N 48°27'30"E	71027 9Ed. 9/19/98 LAST NM 38/02 Add Depth 580 meters enclosed by depth contour (1000-meter) (36(3833)02 Taunton)	45/02 8°27.9'N 111°52.8'E
62580	3Ed. 1/16/99 LAST NM 33/02 Add Chartlet, depicting changes in hydrography and aids to navigation, from Subsection I-2 (BA CH 1223)	45/02 28°45'06"N 48°26'48"E	71313 8Ed. 1/31/98 LAST NM 51/01 Delete Beacon Add Buoy "Sky Rock" R, can, can topmark, Fl R 2s Buoy G, conical, cone topmark, Fl G 5s (34(3639)02 Taunton)	45/02 6°53.92'N 117°24.87"E 6°53.46'N 117°24.70"E 7°02.21'N 117°00.17"E
63210	3Ed. 11/23/85 LAST NM 36/99 Add Depth 48 meters enclosed by depth contour (50-meter) (34(3626)02 Taunton)	45/02 7°41.8'N 77°10.4'E	73552 4Ed. 4/3/99 LAST NM 34/02 Substitute Depth contour (10-meter) for danger line joining Add Superbuoy with legend "Vessel (Apr-Dec)" Depth 6.3 meters (24(680)00, 19(597)02 Wollongong)	45/02 9°55'48"S 143°00'30"E 9°56'30"S 143°00'48"E 9°58'06"S 142°59'36"E 9°12'00"S 143°20'00"E 9°56'16"S 143°00'31"E
63220	5Ed. 9/8/01 LAST NM 26/02 Add Depth 48 meters enclosed by depth contour (50-meter) (34(3626)02 Taunton)	45/02 7°41.8'N 77°10.4'E	73570 7Ed. 8/30/97 LAST NM 34/02 Add Legend "Vessel (Apr-Dec)" to superbuoy Superbuoy with legend "Vessel (Apr-Dec)" (24(680)00 Wollongong)	45/02 8°28.8'S 143°53.4'E 9°12.0'S 143°20.0'E
63230	6Ed. 8/4/01 LAST NM 17/02 Delete Depth 1178 meters Add Depth 22 meters and enclosing depth contour (30-meter) Depth 27 meters (PA) enclosed by depth contour (30-meter) Depth 332 meters enclosed by depth contour (1000-meter) Depth 18 meters enclosed by depth contour (20-meter) Depth 22 meters enclosed by depth contour (30-meter) Depth 43 meters enclosed by depth contour (50-meter) (34(3627)02 Taunton)	45/02 5°49.2'N 80°00.5'E 6°58.2'N 79°41.2'E 5°52.8'N 79°59.3'E 5°49.4'N 80°00.5'E 6°58.3'N 79°41.4'E 6°58.2'N 79°43.0'E 6°22.2'N 79°45.5'E	74017 4Ed. 10/21/95 LAST NM 37/02 Change Legend "Woodside Materials Offloading Facility" to "Dampier Cargo Wharf" Add Purple composite line (restricted area limit) between (See 21/96-74017) (19(601)02 Wollongong)	45/02 20°36'58.8"S 116°45'15.0"E 20°34'58.2"S 116°46'54.0"E 20°35'19.2"S 116°47'01.8"E
63231	8Ed. 4/25/98 LAST NM 31/02 Delete Depth 22 meters and enclosing depth contour (30-meter)	45/02 6°58'18"N 79°41'12"E	74285 2Ed. 8/23/97 LAST NM 35/02 Add Superbuoy with legend "Vessel (Apr-Dec)" (24(680)00 Wollongong)	45/02 9°12.0'S 143°20.0'E
63232	3Ed. 7/11/98 LAST NM 41/98 Delete Depth 1178 meters Add Depth 27 meters (PA) enclosed by depth contour (30-meter)	45/02 5°49'12"N 80°00'24"E 5°52'49"N 79°59'25"E	74290 11Ed. 9/6/97 LAST NM 39/02 Delete Depth 7.3 meters Relocate Beacon from 10°53.9'S 142°45.8'E to Add Superbuoy with legend "Vessel (Apr-Dec)" Depth 8 meters (24(680)00, 19(596, 597)02 Wollongong)	45/02 9°56.6'S 143°01.4'E 10°53.8'S 142°46.0'E 9°12.0'S 143°20.0'E 9°56.0'S 143°01.4'E
			74293 7Ed. 7/26/97 LAST NM 34/02 Relocate Beacon from 10°53'54"S 142°45'54"E to (continued on next page)	45/02 10°53'49"S 142°45'59"E

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95143	11Ed. 5/15/99 LAST NM 40/02 Delete Quarantine anchorage area centered	45/02 34°45'35"N 127°47'03"E	Depth 17.7 meters for 19.1 meters 40°50'18.4"N 140°45'34.8"E
Change	Designation of anchorage area "VLCC NO 1 (SEE NOTE)" to "Quarantine Anchorage NO 1 (SEE NOTE)"	34°43'48"N 127°48'03"E	Add Depth 16.4 meters 40°51'02.0"N 140°43'15.1"E Depth 16.7 meters 40°50'59.5"N 140°43'18.3"E
	Line 4 of ANCHORAGES note to "No. 1. For vessels of less than 50,000 gross"	34°21'00"N 128°15'00"E	Depth 13.7 meters 40°50'54.8"N 140°43'15.6"E
Add	Quarantine anchorage symbol [N12.8] (35(367)99, 4(36)00 Inchon)	34°39'11"N 127°57'52"E	Double solid line with land tint (breakwater extension) [F4.1] between 40°50'54.4"N 140°43'35.6"E 40°50'55.9"N 140°43'35.8"E
95147	13Ed. 5/14/94 LAST NM 44/02 Add Light Fl G 4s 7m 5M to beacon (39(528)02 Inchon)	45/02 35°03'54.0"N 128°34'00.0"E	Double solid line with land tint (breakwater extension) [F4.1] between 40°50'30.5"N 140°43'51.8"E 40°50'29.8"N 140°43'52.4"E
95161	16Ed. 9/8/01 LAST NM 40/02 Add Buoy Y, conical, "X" topmark (39(527)02 Inchon)	45/02 35°26'57.0"N 129°22'07.2"E	Position circle "G Lt" 40°50'55.9"N 140°43'35.8"E Position circle "R Lt" 40°50'29.8"N 140°43'52.4"E Depth 10.7 meters 40°50'18.4"N 140°45'30.7"E Depth 17.8 meters 40°50'20.5"N 140°45'31.9"E Depth 9.4 meters 40°50'19.5"N 140°45'33.0"E Depth 9.6 meters 40°50'18.5"N 140°45'32.5"E Depth 9.3 meters 40°50'17.1"N 140°45'31.0"E (34(1399)98 Tokyo)
95300	5Ed. 8/3/91 LAST NM 16/02 Add Light Fl(2) R 6s 15m 10M (35(1461)98 Tokyo)	45/02 36°19'31"N 133°19'04"E	96949 21Ed. 5/9/98 LAST NM 31/01 Substitute Double solid line with land tint (bridge) for double dashed line in vicinity 42°21'09.0"N 140°57'00.0"E and delete legend "Bridge Under Construction" (1995) (37(1540)98 Tokyo)
96004	14Ed. 10/7/95 LAST NM 44/02 Delete Depth 138 meters M S and enclosing depth contour (35(1458)98 Tokyo)	45/02 42°16.0"N 137°31.0"E	97041 9Ed. 7/25/98 LAST NM 24/01 Delete Position circle "R Lt" 40°33'00.0"N 141°32'34.7"E Substitute Solid line for dashed line between 40°32'59.9"N 141°30'12.0"E 40°33'09.8"N 141°30'04.6"E and delete legend "Under construction"
96760	4Ed. 12/16/95 LAST NM 35/02 Add Depth 20 meters, blue tint and enclosing depth contour (20-meter) centered (38(1598)98 Tokyo)	45/02 43°20.2"N 146°02.2"E	Add Double solid line with land tint (breakwater extension) [F4.1] between 40°33'00.0"N 141°32'34.7"E 40°32'58.8"N 141°32'37.5"E Position circle "R Lt" 40°32'58.8"N 141°32'37.5"E Double solid line with land tint (breakwater) [F4.1] joining 40°33'09.8"N 141°30'04.6"E 40°33'10.0"N 141°30'17.5"E 40°33'05.0"N 141°30'21.0"E (34(1400)98 Tokyo)
96902	2Ed. 1/26/85 LAST NM 7/02 Add Depth 11 1/2 fathoms Depth 11 1/2 fathoms Depth 25 fathoms Depth 23 fathoms (38(1598)98 Tokyo)	45/02 43°43'12"N 146°26'00"E 43°44'12"N 146°28'30"E 43°40'30"N 146°34'36"E 43°50'00"N 146°57'48"E	"Under reclamation (1998)" area [F31] with land tint bound by shore, breakwater and dashed line between 40°33'06.0"N 141°30'20.0"E 40°33'02.0"N 141°30'10.0"E Double solid line with land tint (breakwater) [F4.1] joining 40°31'38.6"N 141°32'25.2"E 40°31'41.5"N 141°32'25.0"E 40°31'41.8"N 141°32'27.0"E (34(1400)98 Tokyo)
96944	6Ed. 7/25/98 LAST NM 47/99 Substitute Double solid line with land tint for double dashed line in vicinity 40°50'49.5"N 140°43'35.0"E and delete legend "Under construction"	45/02 40°50'31.5"N 140°43'51.0"E Double dashed solid line with land tint for dashed line in vicinity 40°50'31.5"N 140°43'51.0"E and delete legend "Under construction"	97140 17Ed. 6/28/97 LAST NM 43/02 Add Buoy Y, pillar, "X" topmark, Fl(5) Y 20s 34°23.8'N 138°19.1'E (32(1404)98 Tokyo)
	Add Double solid line with land tint (breakwater extension) [F4.1] between 40°50'54.4"N 140°43'35.6"E 40°50'55.9"N 140°43'35.8"E Double solid line with land tint (breakwater) [F4.1] between 40°50'30.5"N 140°43'51.8"E 40°50'29.8"N 140°43'52.4"E Position circle "G Lt" 40°50'55.9"N 140°43'35.8"E Position circle "R Lt" 40°50'29.8"N 140°43'52.4"E (Plan A) Delete Depth 10.8 meters 40°50'55.4"N 140°43'08.8"E Depth 13.2 meters 40°50'55.4"N 140°43'12.3"E Depth 11.8 meters 40°50'53.7"N 140°43'14.3"E Depth 16 meters 40°50'56.0"N 140°43'17.5"E Position circle "G Lt" 40°50'44.4"N 140°43'35.5"E Position circle "R Lt" 40°50'31.6"N 140°43'50.5"E Depth 19.5 meters 40°50'21.0"N 140°45'31.5"E Substitute Double solid line with land tint for double dashed line in vicinity 40°50'49.5"N 140°43'35.0"E and delete legend "Under construction"	97143 11Ed. 9/25/93 LAST NM 43/02 Change Visibility (range) of light to 3M 35°25'19"N 139°41'04"E Add Fish haven symbol [K46.1] 35°11'09"N 139°48'05"E (39(1338, 1352)02 Tokyo) 97148 9Ed. 3/23/02 LAST NM 23/02 Change Visibility (range) of light to 3M 35°25'31.0"N 139°40'52.0"E (39(1338)02 Tokyo) 97149 20Ed. 11/29/97 LAST NM 44/02 Change Visibility (range) of light to 3M 35°25'31.0"N 139°40'52.8"E (39(1338)02 Tokyo)	

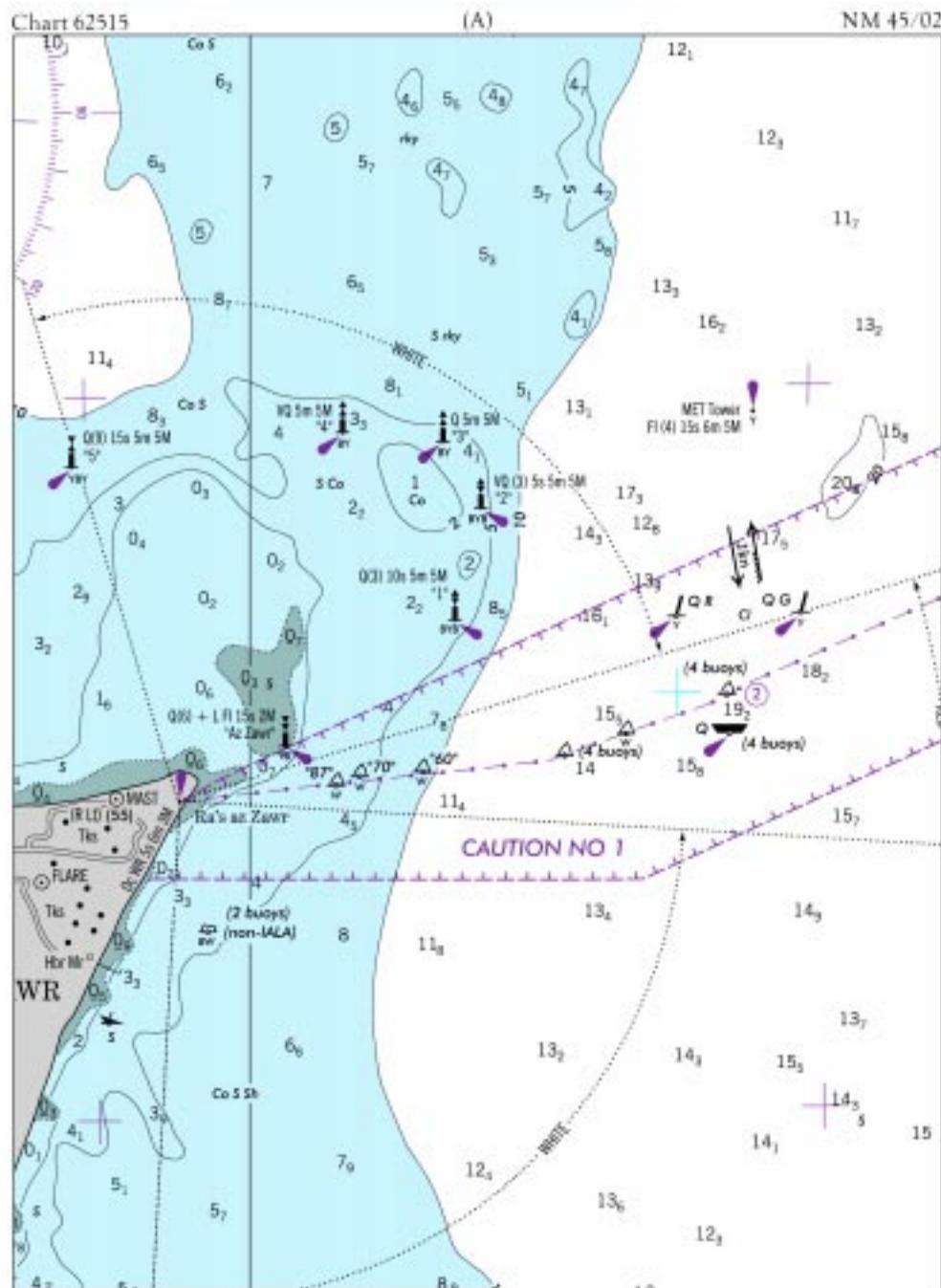
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NM 45/02

97151	16Ed. 7/5/97 LAST NM 44/02 Change Visibility (range) of light to 3M (39(1338)02 Tokyo)	45/02 35°25'31.0"N 139°40'52.0"E	32°11'28.4"N 130°22'45.6"E 32°11'25.7"N 130°22'46.1"E
97180	6Ed. 7/19/97 LAST NM 43/02 Add Buoy Y, pillar, "X" topmark, Fl(5) Y 20s (32(1404)98 Tokyo)	45/02 34°23'47"N 138°19'06"E	Double solid line with land tint (breakwater) [F4.1] joining 32°11'29.3"N 130°22'41.3"E 32°11'27.9"N 130°22'40.0"E 32°11'23.1"N 130°22'39.1"E 32°11'22.4"N 130°22'41.6"E
97204	9Ed. 2/12/94 LAST NM 29/02 Delete Light (34(1408)98 Tokyo)	45/02 34°33'00.5"N 135°00'05.1"E	Double solid line with land tint (breakwater) [F4.1] between 32°11'29.0"N 130°22'42.0"E 32°11'29.0"N 130°22'44.0"E (32(1342)98 Tokyo)
97221	20Ed. 1/17/98 LAST NM 44/02 Delete Light (34(1408)98 Tokyo)	45/02 34°33'00"N 135°00'05"E	
97225	31Ed. 1/21/95 LAST NM 44/02 Delete Light (34(1408)98 Tokyo)	45/02 34°32'48"N 135°00'15"E	
97269	11Ed. 1/31/98 LAST NM 20/02 (Plan B) Delete Purple composite line joining Buoy "O" Buoy "P" (See 20/02-97269)	45/02 34°20'21.0"N 132°26'09.6"E 34°20'25.0"N 132°26'03.0"E 34°21'04.3"N 132°26'14.4"E 34°21'08.6"N 132°26'22.8"E 34°21'04.3"N 132°26'14.4"E 34°21'07.4"N 132°26'20.4"E	
Relocate	Buoy "J" from 34°20'25.0"N 132°26'03.0"E to 34°20'21.0"N 132°26'09.6"E Buoy "M" from 34°20'47.0"N 132°26'09.0"E to 34°20'40.0"N 132°26'15.3"E		
Add	Land tint to area bound by shore and solid line joining 34°21'08.0"N 132°26'24.5"E 34°20'44.2"N 132°26'16.9"E 34°20'41.2"N 132°26'30.9"E 34°20'55.6"N 132°26'35.5"E 34°20'53.0"N 132°26'51.0"E		
	Purple composite line between 34°20'21.0"N 132°26'09.6"E 34°20'44.2"N 132°26'16.9"E		
	Buoy "I" Y, pillar, "X" topmark, Fl Y 3s 34°20'19.7"N 132°26'16.5"E		
	Buoy "K" Y, pillar, "X" topmark, Fl Y 3s 34°20'27.4"N 132°26'11.5"E		
	Buoy "L" Y, pillar, "X" topmark, Fl Y 3s 34°20'33.7"N 132°26'13.4"E		
	(39(1342)02 Tokyo; Jpn CH W1112A)		
97273	10Ed. 5/21/94 LAST NM 42/02 Add Purple dashed line (harbor limit) [N49] joining (38(1579)98 Tokyo)	45/02 33°37'00"N 131°10'24"E 33°37'48"N 131°11'00"E 33°38'09"N 131°11'27"E 33°38'20"N 131°12'00"E 33°38'18"N 131°12'48"E 33°39'27"N 131°16'30"E 33°39'03"N 131°17'51"E 33°35'39"N 131°15'36"E	
97274	19Ed. 6/27/98 LAST NM 39/02 Delete Position circles (2) and legend "Y Lts" in vicinity (38(1587)98 Tokyo)	45/02 33°53'30"N 131°00'13"E	
97283	3Ed. 7/12/97 LAST NM 25/01 Add Depth 1.2 meters (39(1361)02 Tokyo)	45/02 33°15'31.0"N 131°40'21.0"E	
97382	2Ed. 9/6/97 LAST NM 41/02 Add Land tint to area bound by shore and solid line joining 32°11'21.9"N 130°22'43.4"E 32°11'22.4"N 130°22'41.6"E 32°11'29.0"N 130°22'44.0"E	45/02	

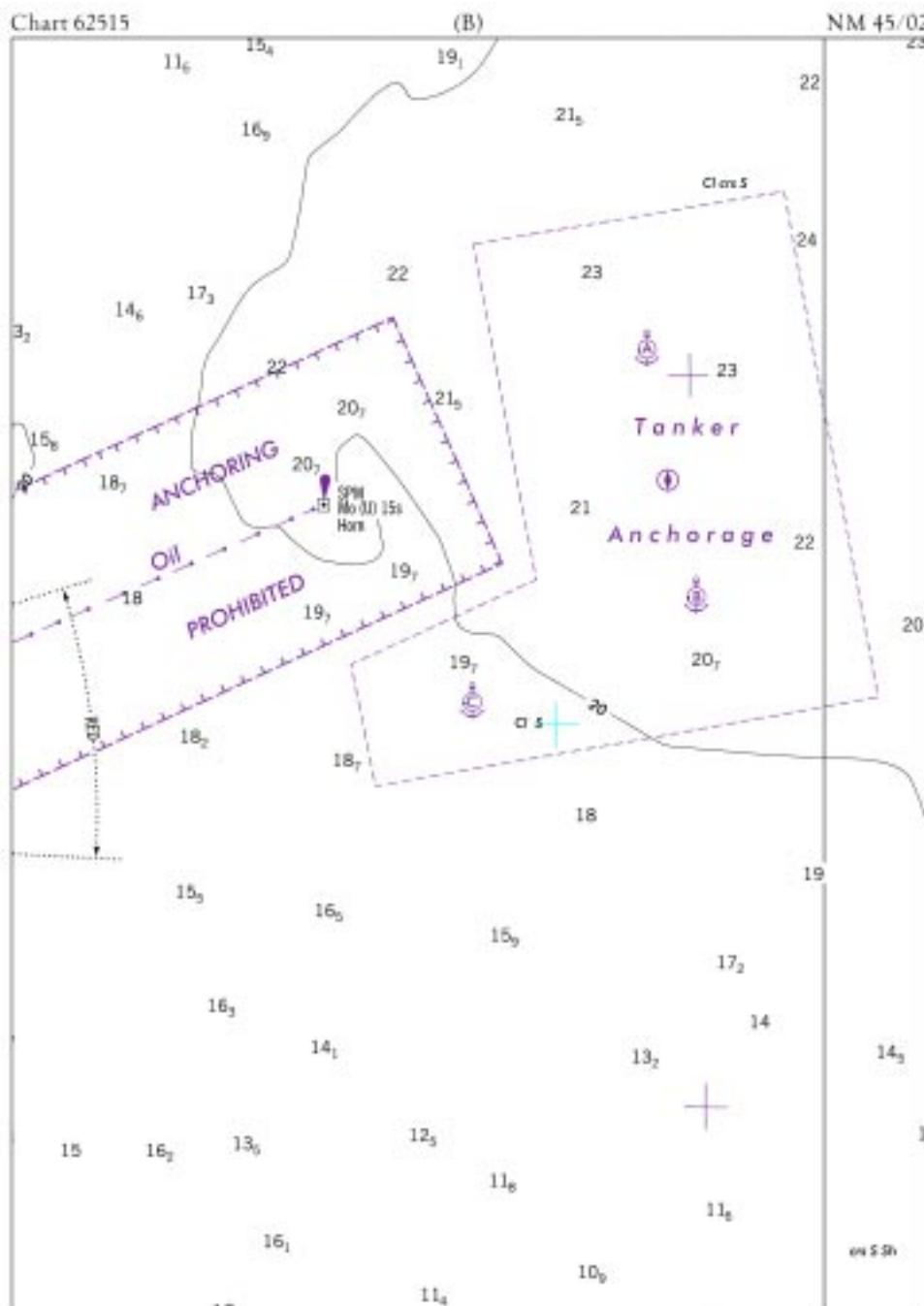
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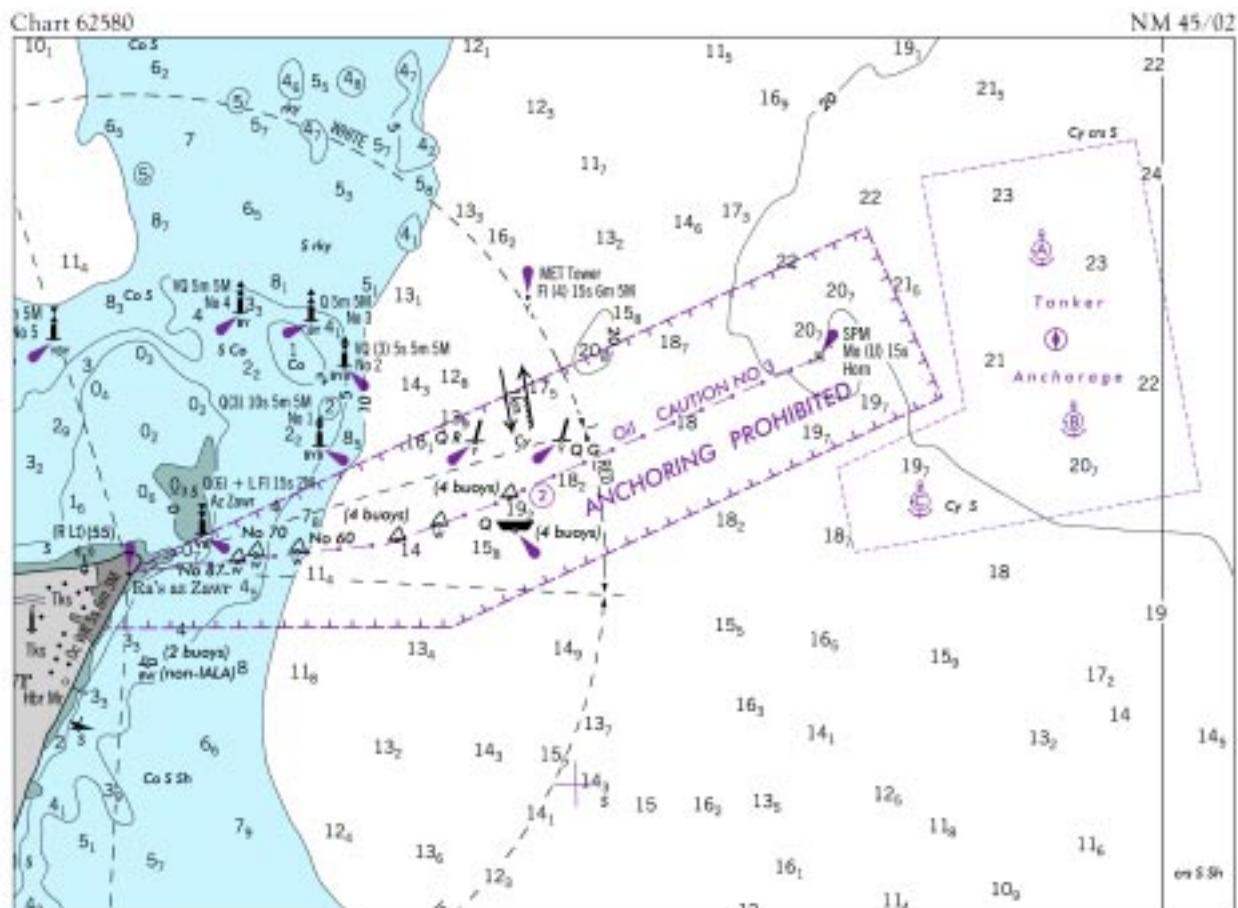
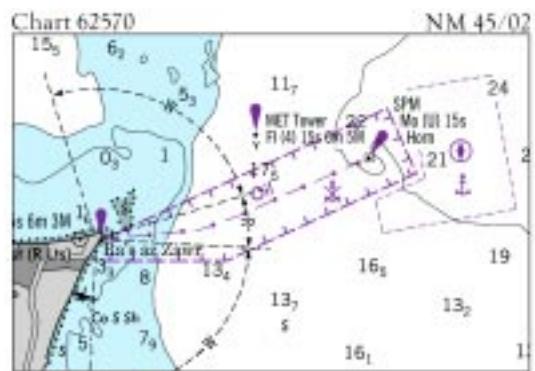
SECTION I

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SECTION II

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NIMA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.				Edition		Price Category	Page(s)	NTM
NIMA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date				
REGION 1								
11XHA11374 (7642014010235)	Dauphin Island to Dog Keys Pass	40,000	<u>31</u>	<u>8/02</u>	NOS	1-92	45/02	
	Extension: Pascagoula River (Not shown on index) (New edition due to numerous general and Notice to Mariners changes)	40,000						
11AHA11545 (7642014010167)	Beaufort Inlet and Part of Core Sound	40,000	<u>60</u>	<u>9/02</u>	NOS	1-92	45/02	
	Inset: Lookout Bight (Inset not shown on index) (New edition due to numerous Notice to Mariners corrections)	20,000						
12XHA12372 (7642014010391)	Long Island Sound-Watch Hill to New Haven	40,000	<u>31</u>	<u>8/02</u>	NOS	1-93	45/02	
	(New edition due to various general changes)							
14XHA14916 (7642014010691)	SMALL-CRAFT BOOK CHART Lake Winnebago & Lower Fox River (book of 34 charts) (New edition due to numerous general changes)	Various	<u>10</u>	<u>7/02</u>	NOS	1-94	45/02	
18AHA18474 (7642014012197)	Shilshole Bay to Commencement Bay	40,000	<u>7</u>	<u>8/02</u>	NOS	1-96	45/02	
	(New edition due to numerous Notice to Mariners changes and changes in hydrography)							
19ACO19010 (7642014011655)	Hawaiian Islands-Southern Part	675,000	<u>17</u>	<u>8/02</u>	NOS	1-97	45/02	
	(New edition due to numerous Notice to Mariners corrections)							
MISCELLANEOUS CHARTS AND PUBLICATIONS								
DNCDX011 (7644014499671)	South China Sea		<u>7</u>	<u>9/02</u>	DS	10-40, 47	45/02	
DNCDX013 (7644014414461)	North America West		<u>13</u>	<u>8/02</u>	DS	10-40, 47	45/02	
DNCDX016 (7644014337966)	Bahamas/Bermuda		<u>17</u>	<u>9/02</u>	DS	10-40, 47	45/02	
DNCDX018 (7644014562137)	Northeastern United States/Canada		<u>15</u>	<u>9/02</u>	DS	10-40, 47	45/02	
LLPUB113 (7642014007535)	<u>The West Coasts of Europe and Africa, the Mediterranean Sea, Black Sea and Azovskoye More (Sea of Azov), 2002</u>				GPO	10-24	45/02	

Price Categories effective 1 October 2002

A	17.75	E	9.00	G	4.50	I	26.25
D	10.75	F	9.00	H	2.50	R	2.50

CHS Canadian Hydrographic Service

DS Distribution Limited

GPO Government Printing Office

NOS National Ocean Service

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Note: New editions cancel former editions. They include corrections published in the Notice to Mariners prior to the effective date of the new editions and/or important corrections from other sources. Mariners are warned against the use of obsolete charts and publications as new editions contain information essential to safe navigation; however, such new editions are not valid until their availability is announced in the weekly Notice to Mariners.

SECTION II
NAVIGATION PUBLICATIONS

NM 45/02

NIMA LIST OF LIGHTS CORRECTIONS

PUB 113 **Ed 2002** **NEW EDITION**
(NIMA) 45/02

SAILING DIRECTIONS CORRECTIONS

PUB 120 **2 Ed 2001** **LAST NM 44/02**

Page 54—Line 19/L to Page 55—Line 11/R; read:

3. Directly to CVTS Offshore by fax: (604) 666-8453.
4. Directly to Vancouver MCTS Center via E-mail: MCTS.RMIC@ATTMAIL.COM

A 96-hour advance notice of arrival is also required of all vessels required to send the 24-hour advance report. If the time of arrival of the vessel into Canadian waters is less than 96 hours after departure from the last port-of-call, the 96-hour advance notice shall be sent as soon as practicable. The 96-hour notice is in addition to the 24-hour notice; the format and delivery process for the 96-hour notice are the same as for the 24-hour notice.

Designator	Required Information
ALPHA	Vessel name, call sign, flag, and IMO International Number (Lloyds Register No.). If vessel does not have an assigned IMO International Number, use the Official Number of the vessel.
BRAVO	Current date and time (UTC).
CHARLIE	Current position.
ECHO	True course.
FOXTROT	Speed in knots.
GOLF	Name of port or place of departure.
HOTEL	ETA to Buoy J at the entrance to Juan de Fuca Strait, if applicable.
INDIA	Destination and ETA to port of destination.
MIKE	ISM, if applicable, and if any issued to the vessel: <ol style="list-style-type: none"> 1. What is the name of the Issuing Authority? 2. ISM Safety Management Certificate <ol style="list-style-type: none"> (a) What is the date of issue? (b) What is the date of expiration? 3. ISM Document of Compliance: <ol style="list-style-type: none"> (a) What is the date of issue? (b) What is the date of expiration?
NOVEMBER	Vessel MMSI number.
OSCAR	Maximum present static draft.

Designator	Required Information
PAPA	<ol style="list-style-type: none"> 1. If bound for a Canadian port, dangerous or pollutant cargo by name, UN Number, or IMDG Code Number, if applicable. 2. If bound for a U.S. port, name and UN Number or IMDG Code Number of certain dangerous cargoes as defined in 33 CFR 160.203. (The vessel must also report the items required in 33 CFR 160.211 (a)(1) through (a)(16) and (b) when applicable) 3. If a tank vessel, indicate whether loaded.
QUEBEC	Any defects; deficiencies in hull, steering gear, propulsion machinery, navigation equipment, anchors or cables, or required radio communications equipment; incomplete complement of officers and crew as required by flag state; or any other hazardous conditions.
ROMEO	Have you tested your steering and propulsion (both ahead and astern) as required by regulation? YES or NO.
SIERRA	On scene weather, if severe.
TANGO	Agent name, owner name, and name of operator or person in charge of vessel.
UNIFORM	Vessel gross tonnage.
WHISKEY	<p>For approaches to Juan de Fuca Strait:</p> <p>Ballast water—if in ballast, has your vessel: <ol style="list-style-type: none"> 1. Conducted open ocean ballast exchange at least 200 nautical miles offshore since your last port of call? YES or NO. 2. A Ballast Water Management Plan? YES or NO. </p> <p>Made the required notification and reports to Canada/United States as applicable? YES or NO.</p> <p>Notification/Reports required by:</p> <p>United States—U. S. Coast Guard—fax: (301) 261-4319.</p> <p>Canada—Destination port:</p> <p>Vancouver—fax: (604) 665-9099.</p> <p>Fraser—fax: (604) 524-1127.</p> <p>Nanaimo—fax: (250) 753-4899.</p> <p>For approaches to the Prince Rupert Traffic Zone and the northern ports of British Columbia:</p>

PUB 120 (Continued)

Designator	Required Information		
	<p>Ballast water—If in ballast, has your vessel:</p> <ol style="list-style-type: none"> 1. Conducted open ocean ballast exchange at least 200 nautical miles offshore since your last port of call? YES or NO. 2. A Ballast Water Management Plan? YES or NO. 	the reporting burden on ships calling on collective ports and to facilitate transits through Canadian and U.S. waters. This one report will satisfy the Canadian VTS Offshore Report, the U.S. Notice of Arrival Report, and the State (Can NM 8W/01, Section 4; Can SD PAC 200) 45/02	
XRAY	<p>If bound for a Canadian port, expiration date of:</p> <ol style="list-style-type: none"> 1. International Oil Pollution Prevention Certificate, or Certificate of Compliance. 2. International Noxious Liquid Substance Certificate, or Certificate of Compliance. 3. Certificate of Fitness (Chemical tanker). 4. International Convention on Civil Liability for Oil Pollution Damage Certificate of Insurance. 5. Indicate if a shipboard oil pollution emergency plan is on board. 6. Indicate if oil spill response arrangements are in effect with a designated spill response organization for your port of destination. 7. ISM Safety Management Certificate and ISM Document of Compliance. <p>If bound for a U.S. port:</p> <ol style="list-style-type: none"> 1. Indicate intention to transfer fuel and/or lube oil; if yes, specify type and amount. 2. Indicate name of Washington State spill contingency plan. 3. Classification society of vessel. 4. Name and phone number of a 24-hour point of contact for vessel-related concerns. 5. If required by 33 CFR 160.207 to meet International Safety Management Code (ISM) indicate Document of Compliance issue date, Safety Management Certificate issue date, and Issuing Organization (class or flag). 	<p>PUB 126 7 Ed 2002 LAST NM 44/02</p> <p>Page 13—Lines 13 to 16/R; read: Tatakoto ($17^{\circ}20'S.$, $138^{\circ}25'W.$) is a low atoll about 90 miles NW of Pukaruha that is wooded on the NW part. The lagoon is inaccessible from the sea, but a landing may be made near a copra shed adjacent to a village on the atoll's W side. The landing consists of a small harbor equipped with a wharf that can be reached via a 6m channel dug into the coral. Another landing point is located S of the village. The landing consists of a small harbor, with a 200m jetty and wharf, also reached by a dug channel. (Fr NM 11/02) 45/02</p> <p>PUB 154 8 Ed 2002 LAST NM 44/02</p> <p>Page 10—Line 56/L; read: the inbound traffic lanes is marked with four cautionary lighted (Can NM 5W/01, Section 4) 45/02</p> <p>Page 45—Lines 25 to 34/L; read: situated at the W entrance of the narrows. Six white lights on the bridge mark the shipping channel. Two face E while two more face W; the remaining center lights are floodlights pointing down. The bridge piers on both sides of the channel are floodlit. The CN Railroad Bridge spans the narrows close E of the Highway Bridge. The limits of the channel, which is 137.1m wide, are marked by fixed red and white lights at the base of the piers supporting the lift span. The E and W sides of the lift span are marked by red and green lights. The center green lights show the span is raised. The lift span has a vertical clearance of 46m when (Can NM 9W/01, Section 4) 45/02</p> <p>Page 64—Line 23/R; read: of 13.5m alongside. Vessels up to 45,000 dwt, with a maximum beam of 30m, can be accommodated. (Can NM 10W/00, Section 4) 45/02</p> <p>Page 65—Line 14/R; read: Several conspicuous oil tanks stand near the point; an oil pier, which is 49m long and has a least depth of 3m alongside, (Can SD British Columbia, Vol. 1) 45/02</p> <p>Page 67—Lines 14 to 16/R; read: mud, and are for use by large commercial vessels. Small vessels can anchor in Mark Bay, N of the seaplane basin. The S limit of this anchorage is marked by buoys. (Can NM 10W/00, Section 4) 45/02</p>	

For voyages less than 24 hours in duration, a report must be submitted prior to departure. A report must also be submitted if any ETA changes by more than 6 hours.

Item HOTEL, ETA to Buoy J at the entrance to Juan de Fuca Strait, does not have to be reported for vessels not using Juan de Fuca Strait.

The Advance Report is a cooperative voluntary measure by the Canadian and United States Coast Guards to reduce

PUB 154 (Continued)

Page 72—Line 9/L; read: and close ESE of Rudder Rock. (Can NM 10W/01, Section 4)	45/02	vessels exceeding 1,000 gt, and is only available during daylight hours. (US CH 96039; BA NM 31/02)	45/02
Page 79—Line 12/R; read: heard for several miles. Currents in the rapids may reach 16.5 knots on the flood and 16 knots on the ebb during large tides. (Can SD British Columbia, Vol. 1; Can NM 12W/01, Section 4)	45/02	Pilotage. —For vessels over 500 gt or 50m in length, pilotage is compulsory and a tug escort is required. Pilots board vessels approximately 7.5 miles SE of Mys Nazimova. Night pilotage for vessels over 5,000 gt is available only if all approach channel navigational aids are operating properly. (BA NM 31/02)	45/02
Page 153—Line 43/L; insert after: Caution. —It has been reported (2001) that depths in the bay are less than charted. (Can NM 10W/01, Section 4)	45/02		
Page 157—Line 23/R; insert after: Caution. —A drying rock lies in the middle of Julian Cove. (Can NM 8W/01, Section 4)	45/02		
Page 160—Lines 5 to 6/L; read: tower standing close within the extremity of the cape. Three prominent white (Can NM 9W/01, Section 4)	45/02		

PUB 155 7 Ed 2001 LAST NM 10/02

Page 114—Line 43/R; insert after: Vityaz Marine Terminal (52°42'N., 143°33'E.) is located approximately 12 miles SE of Pil'tun. The terminal consists of the FSO Okha which is moored to a SBM, with a production platform approximately 1 mile to the N. A submarine pipeline connects the two. The terminal operates during the ice-free season. Tankers load using equipment supplied by the terminal, with their bow connected to the stern of the FSO. Pilotage. —Pilotage is compulsory, and the pilot usually boards in the anchorage, approximately 3.5 miles E of the terminal. (BA NM 6/02)	45/02	Page 261—Paragraph 180; read: In March 2000-December 2001, the controlling depth in Chelsea River was 31.5 feet (34.6 feet at midchannel) to just past the Chelsea Street Bridge, thence 36.6 feet (38.0 feet at midchannel) to the basin about 0.6 mile above the Chelsea Street Bridge, thence 37 feet in the basin. (CL 1226/02; BPs 178123-5)	45/02
Page 167—Lines 20 to 30/L; read: harbor sheltered from all winds except from the S. Port Khasanskiy (42°38'N., 131°05'E.) lies within the W basin of Bukhta Troitsy. It is a small harbor mostly used by local traffic. Aspect. —Mys Slychkovo, backed by a conspicuous pillar-shaped peninsula known as Poluostrov Zarubina, is connected to the mainland by a low isthmus and forms a basin on the W side of the bay that can be used by small craft from the anchorage. Ostrovok Brauzera, an oblong islet of shingle and gravel, lies on a reef connected to the NE shore of the peninsula and effectively blocks the S part of the basin. Pilotage. —A pilot boarding area has been established in the vicinity of 42°37'N, 131°03'E. Pilotage is compulsory for	45/02	Page 266—Paragraph 18, lines 2 to 3; read: a concrete lighthouse tower maintained by the Coast Guard. The harbor is ... (CL 711/02)	45/02
		Page 267—Paragraph 19, line 3; read: Scituate North Jetty Light 2A (42°12'12"N., 70°42'48"W.), 23 feet above the ... (CL 711/02)	45/02
		Page 267—Paragraph 19, lines 9 to 11; read: harbor. (CL 711/02)	45/02

Page 267—Paragraph 24, lines 2 to 12; read:
harbor, about 0.5 mile westward of the jetty light. Depths of 6 to 8 feet are reported alongside the outer floats; water and berths are available. Southward of the yacht club are the Satuit Boat Club and the Satuit Waterfront Club. Between them, there are two small-craft launching ramps and a marina with depths of 4 to 6 feet reported alongside the berths, and 8 to 10 feet reported alongside the service float. Gasoline, diesel fuel, water, and ice are available. The Scituate town pier is on the west side of the harbor, about 0.6 mile above the jetty light. Another marina with several floats is close southward of the town pier; gasoline, diesel fuel, electricity, water, and ice are available. A large parking lot is at the marina.
(CL 711/02)

Page 268—Paragraph 49, lines 4 to 23; read:
feet, are 0.6 and 1.2 miles eastward of the entrance, respectively; both are marked by buoys. An obstruction reported to be covered 6 feet is about 275 yards south-southeast of Bar-

COAST PILOT 1 (Continued)

tlett Rock. In 1987, an obstruction was reported 200 yards south of Bartlett Rock in about 42°04'34.2"N., 70°37'49.0"W. Jetties are on each side of the entrance; the east jetty is marked by a light. A channel, marked by a buoy at the entrance and a buoy inside, leads to a turning basin about 0.6 mile above the seaward ends of the jetties. An anchorage basin is on the east side of the channel off the town wharf. In May 2002, the controlling depth in the entrance channel was 7.4 feet (8 feet at midchannel) to between the seaward ends of the jetties; thence in May 2001-May 2002, 1.3 feet in the left outside quarter with shoaling to bare in the remainder of the channel to the anchorage basin, thence 3.1 feet to the turning basin except for shoaling to 0.5 foot along the left edge of the channel near the mouth of Cut River, thence 1 to 4 feet in the south and west portions of the turning basin with shoaling to bare in the northeast corner. Depths of 2 to 4 feet were available in the anchorage basin except for shoaling to 1 foot in the northeast corner. Local ...

(NOS 13253; LL/01; BPs 175429-30;

CL 1655/01; CL 1606/02) 45/02

feet.

(CL 930/02)

45/02

Page 238—Paragraph 245, lines 4 to 5; read:

entrance is marked by private lights. In February 2002, the reported controlling depth was 9 feet in the entrance and the basin.

(CL 932/02)

45/02

Page 238—Paragraph 252, lines 5 to 6; read:

of the bank. A submerged wreck is ...

(CL 933/02)

45/02

Page 238—Paragraph 258, line 8; read:

hour. In 2002, the reported controlling depth alongside was 23.5 ...

(CL 933/02)

45/02

Page 239—Paragraph 262, line 4; read:

In 2002, shoaling to 5 feet was reported on the range line about ...

(CL 934/02)

45/02

Page 239—Paragraph 269, line 11; read:

outbound vessels leads **056°** at about midchannel. In March 2002, the ...

(CL 934/02)

45/02

Page 239—Paragraph 269, line 16; read:

area. In 2002, reported depths of 11 to 22 feet were available in ...

(CL 934/02)

45/02

**COAST PILOT 2 31 Ed 2001 Change No. 20
LAST NM 42/02**

Page 137—Paragraph 149, lines 2 to 4; read:

with depths of 1 to 4 feet in the greater part of the bay. In October 2001, a controlling depth of 3.3 feet was reported in the narrow entrance channel north-northwest of **Thatch Island**.

(CL 1199/02)

45/02

Page 180—Paragraph 105, line 3; read:

eastern side of the island. Depths of 3 feet closer to shore to 12 feet in the middle are reported in ...

(CL 880/02; NOS 13209)

45/02

**COAST PILOT 3 35 Ed 2002 Change No. 18
LAST NM 42/02**

Page 243—Paragraph 158, lines 1 to 2; read:

Chart 12266.—Sharps Island Light (38°38'20"N., 76°22'39"W.), 54 feet above the water, is shown from a leaning, ...
(30/02 CG5; LL/02)

45/02

**COAST PILOT 6 32 Ed 2002 Change No. 8
LAST NM 39/02**

Page 211—Paragraph 7, line 3; read:

bottom. The lake has a greatest natural depth of 19 feet. St. Clair ...

(CL 927/02; NOS 14850)

45/02

Page 237—Paragraph 228, lines 5 to 6; read:

buoys placed 50 feet outside the channel limits. In 2002, the channel and basin had a reported controlling depth of 22 feet.

(CL 930/02)

45/02

Page 237—Paragraph 229, line 4; read:

2002, the reported controlling depth in the channel was 22

feet.

(CL 930/02)

45/02

Page 137—Paragraph 101, lines 1 to 2; read:

In May-October 2001, the controlling depths were 24.2 feet in the approach and in the channel through ...

(BP 176732; CL 395/02; BP 174820)

45/02

Page 137—Paragraph 101, lines 10 to 11; read:

channel leading SW to the turning basin had a depth of 18.9 feet with lesser depths along the edges of the channel, ...

(BP 176732; CL 395/02)

45/02

Page 137—Paragraph 125, lines 3 to 4; read:

pier extends laterally E to enclose the bay. In July 2001, the

COAST PILOT 6 (Continued)

controlling depth in the channel was 6.1 feet. The outer ends of the piers are ...

(BP 176720; CL 391/02) 45/02

Page 138—Paragraph 139, lines 6 to 7; read:

In July 2001, the dredged channel had a controlling depth of 8.7 feet.

(BP 177311; CL 572/02) 45/02

Page 138—Paragraph 151; read:

In July 2001, the controlling depths were 5.2 feet in the dredged channel to the boat launch ramp access channel, with 7.1 feet in the access channel, thence 5 feet in the dredged channel to deep water in the bay.

(BP 177312; CL 573/02) 45/02

Page 143—Paragraph 199, lines 5 to 8; read:

Tuscarora Bay. In May-June 2002, the controlling depths were 7 feet in the entrance and between the piers to the Public Dock on the E side of the river, thence 4.5 feet to the head of the project through Tuscarora Bay, except for shoaling to 1.7 feet along the NW edge of the channel opposite the Tuscarora Yacht Club and a 4-foot spot along the S side of the channel near Daybeacon 9.

(BP 178606; CL 1608/02) 45/02

Page 167—Paragraph 210, lines 4 to 7; read:

the outer end of the E breakwater. In May 2002, the controlling depth was 7.8 feet in the channel (except for shoaling to 5 feet along the NW edge of the channel from the outer end of the W breakwater to the West Breakwater Light), thence depths of 6 to 8 feet were in the basin with lesser depths along the edges.

(BP 178103; CL 1179/02) 45/02

Page 170—Paragraph 250, lines 6 to 10; read:

of the breakwaters and the piers at the river mouth. In April 2002, the basin had depths of 19.4 feet (25.7 feet at midchannel) with lesser depths along the edges, thence 23.1 feet (26 feet at midchannel) in the dredged river channel.

(BP 177989; CL 1132/02) 45/02

Page 172—Paragraphs 276 to 277; read:

In April-May 2002, the midchannel controlling depth was 25.5 feet in the W channel of the outer harbor to the southern limit of the triangular turning basin, thence 18.9 feet at midchannel to the mouth of the river, thence 19.9 feet to the mouth of Pinney Minnesota Slip, thence 16.8 feet in the river to a point about 2,000 feet above the mouth, thence 9.8 feet in the W half and 4.4 feet in the E half of the channel to the Fifth Street bridge, thence 9.2 feet in the N half and 1.4 feet in the S half of the channel to Ashtabula Yacht Club, thence 4.6 feet in the W half of the channel with shoaling to bare in the E half to the turning basin, thence 1.7 feet to the head of the project; the turning basin had depths of 1 to 4 feet.

In May 2002, the controlling depth in the E channel of the outer harbor was 19.6 feet (25.2 feet at midchannel) to the basin; the basin had depths of 26.5 feet in the center gradually decreasing to 17 feet to NE and 15 feet to the E with

lesser depths along the E edge. The controlling depth in the triangular turning basin in the outer harbor N of the detached breakwater was 15.4 feet except for a 12-foot spot in the SE corner.

(BPs 178110-11; CL 1190/02) 45/02

Page 173—Paragraph 318, lines 1 to 5; read:

In March-April 2002, the controlling depths were 18.9 feet at midchannel in the entrance channel and outer basin channel to the piers, thence 16.4 feet (18.6 feet at midchannel) to the turning basin with 16 to 18 feet in the basin, thence 4.1 feet (7.9 feet at midchannel) to the ...

(BPs 178078-79; CL 1162/02) 45/02

Page 183—Paragraph 436, lines 1 to 8; read:

In April-May 2002, the controlling depths were 27.6 feet from deep water in the lake to the Lorain Yacht Basin (except for lesser depths to 24 feet along the edges of the channel), thence 22.6 feet (24.4 feet at midchannel) to just below the upstream Federal project limit. The turning basin on the SW side of the channel, 1.6 miles above the mouth, had depths of 20 feet except for a 17-foot spot near the N edge. The two turning basins at the head of the project, one on the N side of the channel and other at the head of the project, had depths of 14.5 to 20 feet and 8 ...

(BPs 177990-91) 45/02

Page 188—Paragraph 541, lines 6 to 8; read:

entrance channel from Lake Erie to the lakeward ends of the piers; thence in October 2001, 8.9 feet to the Monroe Street highway bridge (except for shoaling to 3.4 feet along the NW side of the channel near the entrance to Port Clinton Yacht Club and to 4.2 feet ...

(BP 176721; CL 392/02) 45/02

COAST PILOT 6**32 Ed 2002****Change No. 10**

Page 135—Paragraph 93, line 6; read:

July 2001, the controlling depth was 6 feet in the ...

(BP 176722) 45/02

Page 142—Paragraph 184, lines 8 to 11; read:

the jetties. In August 2001, the controlling depths were 6.9 feet in the E and W approach channels, except for lesser depths along the edges of the channel near the ends of the jetties, thence 8.8 feet between the jetties to the harbor basin, thence 7.1 to 10 feet in the basin with lesser depths along the edges.

(BP 177313; CL 574/02) 45/02

Page 142—Paragraph 193, lines 3 to 4; read:

August 2001, the controlling depth was 9.3 feet (10.3 feet at midchannel) in the dredged channel. Depths of ...

(BP 177315; CL 576/02) 45/02

Page 185—Paragraph 465; read:

In May 2002, the controlling depths were 4.6 feet in the W approach and 5.6 feet (6.8 feet at midchannel) in the E

COAST PILOT 6 (Continued)

approach to the mouth of the river, thence 7.8 feet to the entrance of Superior Lagoon, thence 3.4 feet in the S half and 7 feet in the N half of the channel to the Liberty Avenue bridge.

(BP 178149) 45/02

Page 188—Paragraph 536, lines 5 to 8; read:

the jetties to the head of the harbor. In August-October 2001, the controlling depths were 3.3 feet (6.7 feet at midchannel) to the junction with the inner channel, thence 6.6 feet (7.3 feet at midchannel) to Daybeacon 17, and thence 5.5 feet to the upstream limit of the ...

(BPs 176775-77; CL 415/02) 45/02

Page 188—Paragraph 536, lines 16 to 18; read:

entrance. In August-October 2001, the controlling depth was 5.9 feet from the bridge SW through West Bay to the junction with the SE entrance channel. A 2.8-foot spot was along the SE edge of the channel just above the bridge. Boats drawing up to 3 ...

(BP 176776; CL 415/02) 45/02

Page 229—Paragraph 88, lines 5 to 8; read:

lights. In August 2002, the controlling depths were 10.2 feet (11.4 feet at midchannel) in the entrance and to the basin, thence 8.4 to 10 feet in the N 550 feet of the basin, thence gradually decreasing to 1.4 feet towards the S end.

(DD 3338) 45/02

Page 237—Paragraph 227, lines 5 to 10; read:

extends from the S side of the mouth. In 1997-November 2001, the controlling depths were 14.5 feet (16.8 feet at mid-channel) to Alpena Light; thence in November 2001, 17.8 feet to the turning basin, thence 13.2 to 15 feet in the basin, thence 12 feet just past the turning basin at the head of the project.

(BPs 177719-21; NOS 14864) 45/02

Page 253—Paragraph 67; read:

In May 2002, the controlling depths were 12.9 feet (17.8 feet at midchannel) from deep water in Lake Michigan to Round Lake, thence 17.3 feet to Lake Charlevoix.

(DDs 3045-3046) 45/02

Page 262—Paragraph 259, lines 6 to 7; read:

the light on the S pier. In May-August 2002, the controlling depth was 24.7 feet (27 feet at midchannel) in the approach, through the ...

(DDs 3336-3337) 45/02

Page 317—Paragraph 796, lines 7 to 13; read:

marked by lights. In May 2002, the controlling depths were 14.2 feet (18.5 feet at midchannel) in the entrance and through Manitowoc Harbor to the mouth of the river, except for shoaling to 11.3 feet in the NW corner of the harbor, thence 14.8 feet (19.8 feet at midchannel) to the first Soo Line Railroad bridge, thence 10.3 feet (11.2 feet at midchannel) to the second Soo Line Railroad bridge, thence 6 feet

(6.7 feet at midchannel) to the head of the project.

(DDs 3278-80) 45/02

Page 317—Paragraph 797, lines 5 to 6; read:

marked by a light and a daybeacon. In May 2002, the controlling depths were 6.3 feet (10.4 feet at midchannel) in the entrance, ...

(DD 3278, DD 3281) 45/02

COAST PILOT 6 32 Ed 2002 Change No. 11

Page 158—Paragraph 95, line 4; read:

Falls, N.Y. In November-December 2001, the controlling depth in ...

(BPs 176768-71; CL 407/02) 45/02

Page 166—Paragraph 202, lines 6 to 11; read:

channel limits are marked by buoys. In March-June 2002, the controlling depths were 15 feet from deep water in the lake to Dunkirk Harbor Buoy 8, thence 7.6 feet to the Municipal Pier.

(BPs 177975-76; BP 178250;

CL 1104/02; CL 1416/02) 45/02

Page 166—Paragraph 203, lines 5 to 12; read:

by lights. In March-May 2002, the controlling depths were 6.3 feet in the access channel along the E side of the Municipal Pier except for shoaling to 3.6 feet at the S end, thence 4.2 feet in the channel just S of the E breakwater, thence 5.9 feet in the access channel along the W side of the Municipal Pier and 5.1 feet in the channel S of the W breakwater except for shoaling to 2.7 feet in the NW corner.

(BP 177975; CL 1104/02) 45/02

Page 259—Paragraph 185, line 4; read:

are marked by lights. In August 2002, the controlling depth was 8.1 ...

(DD 3335) 45/02

Page 305—Paragraph 657, lines 6 to 11; read:

marked by lights. In April 2002, the controlling depths were 11.8 feet in the left half and 9.4 feet in the right half of the entrance channel between the piers and revetments to the basin (except for shoaling to 7.5 feet in the NW corner of the entrance channel near Kenosha Light), thence 17.5 to 25 feet in the basin except for lesser depths along the NW edge, thence 6.6 feet (12.9 feet at midchannel) to the 50th Street bridge.

(DDs 3276-77) 45/02

Page 321—Paragraph 850, lines 6 to 9; read:

detached pier, and the main outer section are marked by lights. In August 2002, the controlling depths were 7.8 feet (8.3 feet at midchannel) to the outer harbor basin, thence 2.2 feet (4.4 at midchannel) through the mouth of the river to the Second ...

(DD 3360) 45/02

COAST PILOT 6 (Continued)

Page 363—Paragraph 235, lines 2 to 5; read:
of the basin and 24 feet in the E part. In October 2001, the controlling depths in the W channel were 19.7 feet (20.5 feet at midchannel) to Buoy 8, thence 16.6 feet (17.6 feet at mid-channel) to the head of the project.

(DDs 2781-2782) 45/02

**COAST PILOT 9 20 Ed 2002 Change No. 6
LAST NM 37/02**

Page 53—Paragraph 518, line 5 to Paragraph 519, line 1;
read:

Valdez Arm, Valdez Narrows and Port Valdez.

(b) The Valdez Arm VTS Special Area consists of the waters of the Valdez Arm Traffic Separation Scheme (described in §167.1703 of this chapter); the waters northeast of a line drawn from shoreline to shoreline through the points 60°58.04'N., 146°46.52'W and 60°58.93'N., 146°48.86'W.; and southwest of a line bearing 307°(T) from Tongue Point at 61°02.10'N., 146°40.00'W.

(c) The Valdez Narrows VTS Special Area consists of ...
(FR 8/19/02) 45/02

Page 53—Paragraph 520, line 1; read:

(d) Additional VTS Special Area Operating Requirements.
(FR 8/19/02) 45/02

Page 53—Paragraph 529; read:

(e) Reporting Points. (Table 161.60(d))
(FR 8/19/02) 45/02

Page 66—Paragraph 1026; read:

54°22'10"N., 164°59'29"W.

Part 167-OFFSHORE TRAFFIC SEPARATION SCHEMES

§167.1700 In Prince William Sound: General

The Prince William Sound Traffic Separation Scheme consists of four parts: Prince William Sound Traffic Separation Scheme, Valdez Arm Traffic Separation Scheme, and two precautionary areas. These parts are described in §§167.1701 through 167.1703. The geographic coordinates in §§167.1701 through 167.1703 are defined using North American Datum 1983 (NAD 83).

§167.1701 In Prince William Sound: Precautionary areas.

(a) *Cape Hinchinbrook.* A precautionary area is established and is bounded by a line connecting the following geographical positions:

Latitude	Longitude
60°20.59'N	146°48.18'W

60°12.67'N	146°40.43'W
60°11.01'N	146°28.65'W
60°05.47'N	146°00.01'W
60°00.81'N	146°03.53'W
60°05.44'N	146°27.58'W
59°51.80'N	146°37.51'W
59°53.52'N	146°46.84'W
60°07.76'N	146°36.24'W
60°11.51'N	146°46.64'W
60°20.60'N	146°54.31'W

(b) *Bligh Reef.* A precautionary area is established of radius 1.5 miles centered at geographical position 60°49.63'N., 147°01.33'W.

(c) *Pilot boarding area.* A pilot boarding area located near the center of the Bligh Reef precautionary area is established. Regulations for vessels operating in these areas are in §165.1109(d) of this chapter.

§167.1702 In Prince William Sound: Prince William Sound Traffic Separation Scheme.

The Prince William Sound Traffic Separation Scheme consists of the following:

(a) A separation zone bounded by a line connecting the following geographic positions:

Latitude	Longitude
60°20.77'N	146°52.31'W
60°48.12'N	147°01.78'W
60°48.29'N	146°59.77'W.
60°20.93'N	146°50.32'W

(b) A traffic lane for northbound traffic between the separation zone and a line connecting the following geographical positions:

Latitude	Longitude
60°20.59'N	146°48.18'W
60°49.49'N	146°58.19'W

(c) A traffic lane for southbound traffic between the separation zone and a line connecting the following geographical positions:

Latitude	Longitude
60°49.10'N	147°04.19'W
60°20.60'N	146°54.31'W

COAST PILOT 9 (Continued)**§167.1703 In Prince William Sound: Valdez Arm Traffic Separation Scheme.**

The Valdez Arm Traffic Separation Scheme consists of the following:

(a) A separation zone bounded by a line connecting the following geographical positions:

Latitude	Longitude
60°51.08'N	147°00.33'W
60°58.60'N	146°48.10'W
60°58.30'N	146°47.10'W
60°50.45'N	146°58.75'W

(b) A traffic lane for northbound traffic between the separation zone and a line connecting the following geographical positions:

Latitude	Longitude
60°49.39'N	146°58.19'W
60°58.04'N	146°46.52'W

(c) A traffic lane for southbound traffic between the separation zone and a line connecting the following geographical positions:

Latitude	Longitude
60°58.93'N	146°48.86'W
60°50.61'N	147°03.60'W

(FR 8/19/02; CL 1798/02) 45/02

Page 94—Paragraph 192, line 8; read:
additional information.) (See **§167.1701, §167.1702, and §167.1703**, chapter 2, for limits and regulations.)

(FR 8/19/02) 45/02

Page 164—Paragraph 1388, line 5; read:
depth of 13 feet and marked by a seasonal buoy, is about 2 ...
(07/02 CG17; LL/01) 45/02

Page 164—Paragraph 1388, line 9; read:
avoided. The area eastward of Point MacKenzie is subject to drastic and continual change. In January 2002, shoaling to 17 feet was reported about 1.3 miles eastward of Point MacKenzie Light 7.

(01/02 CG17; LL/02) 45/02

Page 326—Paragraph 385, lines 14 to 17; read:
a sand beach, with rocks in the vicinities of the seal rookeries. A tall loran tower is about 2.2 miles NNE of the village of St. Paul, and an aerolight is about 1.1 miles E of the tower.
(14/02 CG17) 45/02

Page 326—Paragraph 404, line 2; read:
lights. In July 2001, depths of 12 to 24 feet are available in the entrance and the harbor ...

(BPs 175646-48) 45/02

Page 326—Paragraph 404, line 5; read:
docks with depths of 12.3 to 21.6 feet alongside and deck heights of ...
(BP 175646) 45/02

Page 338—Paragraph 622, lines 9 to 10; read:
Snake River. In June 2002, the controlling depth was 6.3 feet (8 feet at midchannel) to the basin; thence 7.1 to 8 feet in the basin with lesser depths along the south edge.
(BP 178621) 45/02

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
6720	- Daybeacon 10				TR on pile.		
	*						45/02
6725	Merriconeag Sound Buoy 12				Red nun.		
	*						45/02
6815	Stave Island Ledge Buoy 5					Remove from list.	
						*	45/02
10142	Kettle Bottom Daybeacon 1					Remove from list.	
						*	45/02
13535	- Lighted Gong Buoy 4	41 33 14 N 69 54 34 W	Fl R 4s		4 Red.	Replaced by nun when endangered by ice.	
	*						45/02
13540	- Buoy 5	41 32 54 N 69 56 03 W			Green can.		
	*						45/02
Main Channel							
20025	Watch Hill Lighted Bell Buoy 2	41 17 59 N 71 51 40 W	Fl R 6s		4 Red.	Removed when endangered by ice.	
	*	*					45/02
20035	Watch Hill Passage Buoy WH	41 17 54 N 71 51 40 W			Green and red can.		
	*	*			*		45/02
Silver Eel Pond							
21055	- Entrance Lighted Whistle Buoy SE	41 15 37 N 72 02 12 W	Mo A		4 Red.		
	*	*	*				45/02

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*14746	- Buoy 8A				Red nun.		
							45/02
*14977	- Channel Daybeacon 5				SG on pile.		
							45/02
14980	- CHANNEL LIGHT 6	37 33 47 N 76 18 53 W	Fl R 4s	15	4 TR on pile.		
	*					*	45/02
14995	- Channel Daybeacon 11					Remove from list.	
						*	45/02

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
15000	- Channel Daybeacon 11				SG on pile.		
	*						45/02
Rappahannock River							
15550	- Daybeacon 22				TR on pile.	*	
	*					*	45/02
15590	- LIGHT 29		Fl G 4s	15	4	SG on multi-pile structure.	
					*		45/02
15610	- RANGE REAR LIGHT 384 yards, 235° from front light.		Iso W 6s	30		KWR on multi-pile structure.	Visible all around: higher intensity on rangeline.
					*		45/02
15630	- Daybeacon 34				TR on pile.	*	
	*					*	45/02
15720	- Daybeacon 60				TR on pile.	*	
	*					*	45/02
15725	- Daybeacon 62				TR on pile.	*	
	*					*	45/02
15735	- Daybeacon 64				TR on pile.	*	
	*					*	45/02
15760	- Daybeacon 70				TR on pile.	*	
	*					*	45/02
15765	- Daybeacon 72				TR on pile.	*	
	*					*	45/02
15770	- Daybeacon 74				TR on pile.	*	
	*					*	45/02
15775	- LIGHT 75		Fl G 4s	12	4	SG on multi-pile structure.	
					*		45/02
29635	- Buoy 7A						Remove from list.
						*	45/02
29733	- Buoy 11C						Remove from list.
						*	45/02
*30271	- Buoy 2A				Red nun.		
							45/02

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
30755	KEG ISLAND RANGE FRONT LIGHT	34 07 53 N 77 56 05 W	Q W	22		KWR on skeleton tower. Same structure as Big Island Upper South Range Front Light.	
		*			*		45/02
30800	BIG ISLAND UPPER SOUTH RANGE FRONT LIGHT	34 07 53 N 77 56 05 W	Q W	22		KWR on square pyramidal, skeleton tower. On same structure as Keg Island Channel Range Front light.	Visible on range line only.
		*			*		45/02
*34806	- Daybeacon 2A				TR on pile.		
							45/02
34820	- Daybeacon 4						Remove from list.
						*	45/02
34825	- Daybeacon 3A				SG on pile.		
		*					45/02
*34826	- Daybeacon 4				TR on pile.		
							45/02

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COAST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Key West Northwest Channel							
15160	- Entrance Lighted Bell Buoy 1	24 43 32 N 81 53 58 W	Fl G 2.5s	4	Green.		
		*					45/02
*19967	- BOCA GRANDE DOCK LIGHT 1	26 43 05 N 82 15 31 W	Fl W 2.5s			Located on Southwest end of dock.	Private aid.
							45/02
*19968	- BOCA GRANDE DOCK LIGHT 2		Fl W 4s			Located on Northeast end of dock.	Private aid.
							45/02

ST. LUCIE INLET TO FORT MYERS AND LAKE OKEECHOBEE (Chart 11428)

Okeechobee Waterway

St. Lucie River

50635	- Lighted Buoy 2	27 10 02 N 80 10 53 W	Fl R 4s	3	Red nun.
		*			45/02

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
6605	- LIGHT 14		Fl R 2.5s	17	3	TR on pile.	Ra ref. *
							45/02

24017	UPPER RED LIGHT BEND OUTBOUND RANGE FRONT PASSING LIGHT						Remove from list. *
							45/02

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
720 15530	Grays Harbor Light	46 53 18 N 124 07 01 W	Al W R 30s 0.1s W fl 14.9s ec. 0.1s R fl 14.9s ec.	123	W 20 R 18	White truncated octagonal pyramid tower. 107	Emergency light Iso W 6s. Lighted throughout 24 hours. *
							45/02
6130	- MARINA CENTER ENTRANCE NORTH LIGHT						Remove from list. *
							45/02
6135	- MARINA CENTER ENTRANCE SOUTH LIGHT						Remove from list. *
							45/02
8719	-Dike Buoy 13	43 07 18 N 124 24 57 W				Green can.	Maintained from May 01 to Oct. 1. *
							45/02

PACIFIC OCEAN TO HARRINGTON POINT (Chart 18521)

Miller Sands

10205	- Channel Lighted Buoy 2 75 yards outside channel limit.	46 14 59 N 123 40 50 W	Fl R 2.5s	3	Red.		
				*			45/02
10980	- MIDDLE DIKE LIGHT 65	46 56 40 N 122 48 14 W	Fl G 4s	15	4	SG on dolphin.	
				*			45/02
11260	Interstate-5 Bridge Approach Buoy 2	45 37 14 N 122 40 34 W				Red nun.	
				*			45/02
11270	VANCOUVER CHANNEL DIKE LIGHT 51	45 38 30 N 122 43 11 W	Fl G 2.5s	40	5	SG on dolphin.	
				*			45/02

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
11275	Ryan Point Junction Lighted Buoy	45 36 55 N 122 39 34 W	Fl (2+1) R 6s		4	Red and green bands.	
		*					45/02
11290	- DIKE LIGHT 2	45 36 11 N 122 38 06 W	Fl R 4s	38	4	TR on dolphin.	
		*					45/02
11295	- Daybeacon 1	45 36 17 N 122 40 18 W				SG on pile.	
		*					45/02
11300	Vancouver Upper Bar Channel Lighted Buoy 14 25 yards outside channel limit.	45 36 23 N 122 37 32 W	Fl R 2.5s		4	Red.	
		*					45/02
Vancouver to Bonneville							
North Portland Harbor							
11305	PORLAND AIRPORT DIKE LIGHT 16	45 36 04 N 122 36 01 W	Fl R 4s	40	6	TR on dolphin.	Higher intensity beam upstream.
		*					45/02
Main Channel							
11385	Lieser Point Channel Lighted Buoy 18 25 yards outside channel limit.	45 36 01 N 122 34 15 W	Fl R 6s		5	Red.	
		*					45/02
11749	BONNEVILLE LOCK ENTRANCE LIGHT 94	45 38 03 N 121 57 37 W	Fl R 4s	50	3	TR on skeleton tower.	
		*					45/02
11875	WIND MOUNTAIN UPPER RANGE REAR LIGHT 900 yards, 095° from front light.		Iso R 6s	63		KRB on pile structure.	Visible 5.5° each side of rangeline.
							*
13545	- LIGHT 13	46 35 08 N 118 25 04 W	Fl G 4s	20	4	SG on skeleton tower.	
		*			*		45/02
15505	- Buoy 8					Red nun.	Position frequently shifted with changing conditions.
		*					45/02
15510	- Buoy 10					Red nun.	Position frequently shifted with changing conditions.
		*					45/02

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GRAYS HARBOR - WESTPORT HARBOR (Chart 18502)							
Grays Harbor							
15530 720	- Light	46 53 18 N 124 07 01 W	A1 W R 30s 0.1s W fl 14.9s ec. 0.1s R fl 14.9s ec.	123	W 20 R 18 107	White truncated octagonal pyramid tower.	Emergency light Iso W 6s. Lighted throughout 24 hours.
						*	45/02
17159	COMMENCEMENT BAY DIRECTIONAL LIGHT	47 16 48 N 122 24 54 W	Fl (2+1) 6s (R & G sectors)	15	W 9 R 7 G 7	On pile.	Centerline bearing 124°. White visible 3.25° each side of centerline. Red visible from 116.5° to 120.75°. Green visible from 127.25° to 131.5°.
						*	45/02
17810	Bangor Explosive Anchorage Lighted Buoy B	47 45 27 N 122 43 51 W	Fl Y 6s	5	Yellow.		45/02
						*	
17835	Bangor Explosive Anchorage Lighted Buoy C	47 44 53 N 122 44 20 W	Fl Y 6s	5	Yellow.		45/02
						*	
17965	BATTLE POINT LIGHT	47 39 48 N 122 35 37 W	Fl W 4s	17	5	NB on pile structure.	45/02
						*	
18005	- LIGHT 3	47 37 09 N 122 29 52 W	Fl G 2.5s	15	5	SG on dolphin.	BELL: 1 stroke ev 10s. Ra ref.
						*	45/02
Swinomish Channel South Entrance							
18785	- Buoy 1	48 21 42 N 122 33 21 W				Green can.	
						*	45/02
18860	- Buoy 19 Marks rock.	48 25 15 N 122 30 05 W				Green can.	
						*	45/02
19850	Orcas Island North Shore Buoy					Remove from list.	
						*	45/02
HECATE STRAIT TO ETOLIN ISLAND (Chart 17420)							
Dixon Entrance							
21834	Island Point Coast Guard Mooring Buoy	54 44 12 N 130 38 30 W				White sphere with blue stripe.	
						*	45/02

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
21841	Stone Rock Bay Coast Guard Mooring Buoy	54 45 24 N 132 00 24 W				White sphere with blue stripe.	* 45/02
24331	Mcleod Bay Coast Guard Mooring Buoy	54 41 36 N 132 41 12 W				White sphere with blue stripe.	* 45/02
24333	Pond Bay Coast Guard Mooring Buoy	54 48 33 N 132 46 26 W				White sphere with blue stripe.	* 45/02
Bechevin Bay							
Channel should be navigated with caution due to shifting shoals.							
27250	- Entrance Buoy BB	55 05 49 N 163 30 32 W				Red and white stripes.	
		*					45/02
27255	- Buoy 1	55 05 23 N 163 29 40 W				Green can.	
		*					45/02
27260	- Buoy 2	55 05 18 N 163 29 50 W				Red nun.	
		*					45/02
27851	- Buoy 6	59 43 30 N 162 18 12 W				Red nun.	
		*	*			*	45/02
*29651.5	- Harbor Entrance Channel Lighted Buoy 3	21 19 00 N 158 07 45 W	Fl G 4s		5	Green	
							45/02
29654	- HARBOR ENTRANCE CHANNEL LIGHT 4 75 feet outside channel limit.	21 19 07 N 158 07 29 W	Fl R 2.5s	15	4	TR on pile.	
		*	*		*		45/02
29654.1	- HARBOR ENTRANCE CHANNEL LIGHT 5	21 19 13 N 158 07 31 W	Fl G 2.5s	15	5	SG on dolphin.	
		*			*		45/02
Nawiliwili Harbor							
29755	KUKII POINT LIGHT	21 57 24 N 159 20 53 W	Fl W 2.5s (R sector)	47	W R	6 5	White pyramidal concrete tower. Red from 045° to 065° and 250° to 290°.
		*					45/02

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*Delete Heading and Note: *Selfridge Launch Facility							
<i>*Aids maintained from Apr. 15 to Nov. 1.</i>							
9162	SELFRIIDGE MARINA ENTRANCE LIGHT 1					Remove from list.	
						*	45/02
9163	SELFRIIDGE MARINA ENTRANCE LIGHT 2					Remove from list.	
						*	45/02
*Add Heading: *Selfridge Launch Facility							
9165	- Buoy 1				Green can.	Private aid.	
							45/02
20430	- BREAKWATER LIGHT	FI R 4s	20 6	8	White cylindrical tower with red band. 15	Higher intensity beam lakeward.	
				*			45/02

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SECTION II

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
15792 -Cayo Lobos. <i>J 4456.7</i>		18° 23.5' N 87° 23.2' W	Fl.(3)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	46 14	8	Truncated pyramidal metal tower; 43.	
-RACON			C(- - -)		20		*
							45/02
15796 Xcalak. <i>J 4462</i>		18° 15.8' N 87° 50.2' W	Fl.(3)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	43 13	12	Round concrete tower; 39.	Visible 214°-000°.
						*	45/02
15797 La Aguada. <i>J 4466</i>		18° 14.0' N 87° 54.0' W	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	39 12	10	Aluminum tower; 33.	
					*	*	45/02
BAHIA DE CHETUMAL:							
15800 -Ciudad Chetumal (Payo Obispo). <i>J 4469</i>		18° 31.2' N 88° 16.5' W	Fl.W. period 6s fl. 1s, ec. 5s	59 18	13	Round concrete tower; 49.	Visible 115°-064°.
					*		45/02
16726 Castillo Grande. <i>J 6167.6</i>		10° 23.4' N 75° 32.7' W	Fl.W. period 7s fl. 0.5s, ec. 6.5s	79 24	20	Beige stone tower; 72.	Beacons "E1" Fl G 3s 5M and "E2" Fl R 3s 4M mark small craft passage 1.5 miles W.
					*		45/02

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2092 -Islotes Guia. <i>G 1545</i>		49° 10.0' S 74° 21.0' W	Fl.W. period 5s fl. 0.4s, ec. 4.6s	23 7	7	White tower, red stripes, red cone topmark; 18.	
			*	*	*	*	45/02
2254 Arriagada Islands. <i>G 1495.5</i>		52° 01.7' S 73° 34.5' W	Fl.W. period 5s fl. 1s, ec. 4s	28 8	8	White fiberglass tower, red bands; 13.	Visible 344°-151°.
			*	*	*	*	45/02
9006 -Jervoise and Medina Channels. <i>K 1775.9</i>		32° 08.1' S 115° 44.8' E	Dir.F.W.R.G.	43 13			R. 340°36'-342°06', W.-343°06', G.-344°36'. Channels marked by Fl.R. 2s and Fl.G. 2s beacons.
					*		45/02

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SECTION II

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14338 <i>G 3635.5</i>	Tijuana.	32° 31.8' N 117° 07.0' W	Fl.(3)W. period 6s	105 32	17	White round concrete tower; 72. * 45/02	
14344 <i>G 3635</i>	Islas Los Coronados.	32° 24.8' N 117° 14.7' W	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	246 75	10	White round concrete tower; 20.	
RACON			C(- • -)		20		*
							45/02
14349 <i>G 3629.4</i>	-El Sauzal Range, front.	31° 54.0' N 116° 42.0' W	Fl.W. period 3s fl. 1s, ec. 2s	66 20	13	Truncated pyramidal metal tower; 35. * 45/02	
14350 <i>G 3629.41</i>	--Rear.	31° 54.0' N 116° 42.0' W	Iso.W. period 2s	75 23	13	Truncated pyramidal metal tower; 52. * 45/02	
14352 <i>G 3629.45</i>	Punta Sauzal.	31° 53.4' N 116° 42.6' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	33 10	7	Metal post; 23. * * 45/02	
14354 <i>G 3629.6</i>	--No. "2".	31° 53.4' N 116° 42.6' W	Fl.R. period 5s fl. 0.5s, ec. 4.5s	33 10	4	Truncated pyramidal metal tower; 13. * * 45/02	
14355 <i>G 3629.7</i>	-W. breakwater.	31° 53.4' N 116° 42.6' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	49 15	7	Truncated pyramidal metal tower; 39. * * 45/02	
14360 <i>G 3629</i>	Punta Morro.	31° 51.5' N 116° 40.4' W	Fl.W. period 6s fl. 1s, ec. 5s	52 16	10	White hexagonal concrete tower; 19. * 45/02	
14364 <i>G 3620</i>	Islas de Todos Santos.	31° 48.5' N 116° 48.7' W	Fl.W. period 7s	161 49	19	White truncated conical tower, red bands; 82. Radar reflector.	
RACON			X(- • -)		20		*
							45/02
14368 <i>G 3621</i>	-S. island, S. end.	31° 47.3' N 116° 47.5' W	Fl.(3)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	112 34	10	White concrete tower; 23. * 45/02	

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SECTION II

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14384 <i>G 3619</i>	Cabo Colonet.	30° 57.7' N 116° 19.8' W	Fl.W. period 6s fl. 1s, ec. 5s	230 70	10	Truncated pyramidal aluminum tower; 25.	*
							45/02
14392 <i>G 3617</i>	Punta Azufre.	30° 23.9' N 115° 59.0' W	Fl.(3)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	43 13	10	Truncated pyramidal metal tower; 33.	*
						*	45/02
14393 <i>G 3616.8</i>	Punta Entrada.	30° 21.7' N 115° 59.0' W	Fl.W. period 6s fl. 1s, ec. 5s	33 10	9	Truncated pyramidal metal tower; 20.	*
						*	45/02
14394 <i>G 3616.4</i>	Punta Baja.	29° 56.8' N 115° 48.7' W	Fl.(4)W. period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	39 12	9	Truncated pyramidal aluminum tower; 26.	*
						*	45/02
14396 <i>G 3616</i>	Isla San Jeronimo.	29° 48.0' N 115° 48.0' W	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	154 47	11	White hexagonal masonry tower; 20.	
RACON			O(--)		20		
	*		*		*		45/02
14400 <i>G 3613.5</i>	Isla Guadalupe.	28° 59.0' N 118° 19.0' W	Fl.(4)W. period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	157 48	9	Truncated pyramidal metal tower; 39.	*
						*	45/02
14405 <i>G 3615.4</i>	Punta Blanca.	29° 06.0' N 114° 42.0' W	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	82 25	9	Truncated pyramidal metal tower; 20.	*
						*	45/02
*15490 <i>G 3285</i>	-Inner Harbor Range, beacon, front.	8° 38.1' N 83° 10.0' W	F.G.			Orange triangle daymark on pier roof.	
							45/02
*15491 <i>G 3285.1</i>	--Rear, about 500 meters 037° from front.	8° 38.4' N 83° 09.8' W	F.G.			Orange triangle daymark.	Reported partially obstructed by vegetation (October 2002).
							45/02

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SECTION II

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2001 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
-Yokohama Ko:							
5160 -Gravel Wharf, breakwater. F 6401.2		35° 25.5' N 139° 40.9' E	Oc.R. period 4s lt. 3s, ec. 1s	39 12	3	Red cylindrical concrete structure; 31.	
				*			45/02
6114 Tokoname Ko, approach. F 6138.8						Remove from list.	
				*			45/02
13198 -San Ko. F 4766.6						Remove from list.	
				*			45/02
*16820.5 Bokjingaeyeo.		35° 03.9' N 128° 34.0' E	Fl.G. period 4s	23 7	5	Green round concrete tower; 27.	
							45/02
*17234 Cho Do, N. breakwater.		34° 14.4' N 127° 14.4' E	Fl.G. period 5s	59 18	5	White octagonal concrete tower; 42.	
							45/02
*17237 Nangdo Hang, breakwater.		34° 36.2' N 127° 32.0' E	Fl.Y. period 6s	39 12	7	Yellow round steel tower; 26.	
							45/02
*17301.5 Odongdo. F 4269.6		34° 26.5' N 127° 05.6' E	Fl.W. period 5s	128 39	8	White octagonal concrete tower; Visible 117°–156°, 299°–013°. 46.	
							45/02
*17402.1 -E. breakwater. F 4269.9		33° 33.6' N 126° 44.4' E	Fl.G. period 6s	52 16	5	White round concrete tower; 36.	
							45/02
*17627 Changjwa-do.		34° 46.9' N 126° 20.3' E	Fl.W. period 5s	46 14	8	White octagonal concrete tower; Visible 207°–135°. 46.	
							45/02
*17753 Goseo.		35° 49.5' N 126° 22.8' E	Fl.(2)W. period 5s	62 19	8	ISOLATED DANGER BRB, beacon, topmark; 72.	
							45/02
*17753.1 Heukdo.		35° 49.6' N 126° 22.3' E	Fl.(2)W. period 10s	62 19	8	ISOLATED DANGER BRB, beacon, topmark; 49.	
							45/02
*17803 Gwangam.		36° 09.9' N 126° 29.5' E	Fl.R. period 5s	52 16	6	Red round concrete tower; 48.	
							45/02
*17827.1 Oejanggodo, E.		36° 24.3' N 126° 21.9' E	Fl.(2)W. period 10s	56 17	8	ISOLATED DANGER BRB, beacon, topmark; 49.	
							45/02

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SECTION II

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2001 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
18256 <i>F 4022</i>	-Dagang Qu, E. entrance, N. side.	38° 56.3' N 121° 40.2' E	Iso.W. period 12s	43 13	5	Round stone pile; 43.	*
			*		*		45/02
18260 <i>F 4020</i>	--S. side.	38° 56.1' N 121° 40.1' E	Iso.R. period 12s	36 11	6	Round stone tower; 43.	*
			*		*		45/02
18279 <i>F 4045</i>	-Fuel pier.	38° 58.1' N 121° 39.1' E	F.R. period 12s	46 14	6	White cylindrical metal pile; 36.	*
			*	*	*		45/02
18828 <i>F 3754.7</i>	Beicaozhong tide station.	31° 14.0' N 122° 00.6' E	Mo.(C)Y. period 12s	39 12	4	SPECIAL Y, beacon, topmark.	
RACON			G(--)				
		*	*				45/02
18858.1 <i>F 3785.41</i>	--Rear, 100 meters 139° from front.	31° 19.7' N 121° 33.6' E	F.W.R.W.(hor.)	43 13		Triangular daymark.	1m apart.
		*	*				*
19108 <i>F 3635.6</i>	-Chuansi Dao, Rocky Point.						Remove from list.
							*
19268 <i>F 3587.4</i>	Pratas Island, SE. end.						Remove from list.
							*
19405 <i>F 3576.6</i>	Poi Toi Island.	22° 09.4' N 114° 15.5' E	Fl.(2)W. period 10s fl. 0.3s, ec. 2.2s fl. 0.3s, ec. 7.2s	220 67	18	White square building.	
			*				45/02
19606 <i>F 3521</i>	Sanya Pai.	22° 04.8' N 113° 48.2' E	Fl.W.R. period 6s	79 24	W. 13 R. 8	White square structure; 20. W. 165°-320°, R.-165°.	*
		*	*				45/02
19610 <i>F 3523.6</i>	Tai A Chau.	22° 09.4' N 113° 54.2' E	Fl.(4)W. period 15s	98 30	9	White concrete tower; 13.	
		*		*	*		45/02
19714 <i>F 3447</i>	Ilha de Montanha, E. side.						Remove from list.
							*
19717 <i>F 3448.5</i>	Coloane Power Station, NE. pier, head, No. 31.	22° 08.4' N 113° 34.7' E	Fl.W. period 4s fl. 0.2s, ec. 3.8s	16 5	5	White metal structure; 19. Radar reflector.	
		*	*				45/02

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SECTION II

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2001 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
19984 <i>F 3406</i>	Weijia Dao.	21° 34.3' N 112° 47.9' E	Fl.W. period 5s	538 164	18	White round brick tower; 10.	
	RACON		K(- • -)	*	*	*	45/02
				*	*	*	
20156 <i>F 3388.4</i>	-Guanyin Jiao.	19° 34.7' N 109° 00.6' E	Fl.(3)W. period 9s	197 60	18	White square stone tower; 19.	
	-RACON		X(- • • -)	*	*	*	45/02
				*	*	*	
20194 <i>F 3350</i>	-Ximao Zhou.	18° 13.7' N 109° 22.0' E	Fl.W. period 3s	450 137	18	White concrete pile; 46.	
				*	*	*	45/02
24572 <i>F 1978.5</i>	Sky Rock.					Remove from list.	
				*	*	*	45/02

CORRECTIONS TO PUB 112, RADIOBEACONS, 2001 EDITION

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
1130	Lincoln Island					Remove from list.	
				*	*	*	45/02

SUMMARY OF CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1056 <i>D 1156.6</i>	-Jetee de Gourmalon.	47° 06.6' N 2° 06.5' W	Fl.(3)G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	13 4	7	White post, green top; 16.	
				*			43/02
*2957	-Al Cabre.	42° 13.5' N 8° 46.1' W	Q.G.	20 6	1	Metal column; 10.	
							45/02
*Add Heading: *SETUBAL:							
3532 <i>D 2150.22</i>	-Beacon No. "2".	38° 27.1' N 8° 58.4' W	Fl.(2)R. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	46 14	9	Red cylindrical column, quadrangular top; 16.	Radar reflector.
	RACON		B(- • •) period 60s		15		
				*			42/02

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SECTION II

SUMMARY OF CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3564 <i>D 2151</i>	-Entrance Range, front, E. mole, head.	38° 31.2' N 8° 53.9' W	Iso.Y. period 6s	39 12	22	Tower, red and white bands, white lantern; 33.	
			*	*	*		42/02
3568 <i>D 2151.1</i>	--Azeda, rear, 2.8 km. 039°42' from front.	38° 32.3' N 8° 52.7' W	Iso.Y. period 6s	200 61	22	Round tower, red and white bands, red lantern; 102.	Visible 038°18'-041°18'.
			*	*	*		42/02
8196 <i>E 0940</i>	-Isola Razzoli, strait, SE. Side.	41° 18.4' N 9° 20.4' E	Fl.W.R. period 2.5s fl. 0.1s, ec. 2.4s	253 77	W. 19 R. 15	Conical truncated stone tower;	W. 022°-092°, R.-137°, W.-237°, R.-320°.
	-RACON		M(--) period 30s		6		
		*	*	*	*		42/02
*14050.5 <i>E 3601.7</i>	--Center.	42° 40.1' N 18° 04.8' E	Iso. W. period 2s	164 50	5		
							43/02
*17153 <i>E 4892.8</i>	--Marmara, breakwater, head.	40° 35.0' N 27° 33.6' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	33 10	8	Concrete tower; 26.	
							41/02
*17153.5 <i>E 4892.9</i>	--Mole, head.	40° 35.0' N 27° 33.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	33 10	8	Concrete tower; 13.	
							41/02
17240 <i>E 4931</i>	--Yalova (Samanli), W. mole, head.	40° 39.7' N 29° 14.7' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	30 9	8	White round concrete tower.	
	*			*			39/02
17244 <i>E 4931.2</i>	--E. mole, head.	40° 39.7' N 29° 14.7' E	Fl.R. period 3s fl. 0.3s, ec. 2.7s	30 9	8	White round concrete tower.	
	*			*			39/02
17276 <i>E 4930</i>	--Derince Burnu, pier head.						Remove from list.
					*		
							41/02
17436 <i>E 4949</i>	-Istinye.	41° 06.8' N 29° 03.7' E	Fl.(2)G. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	36 11	9	White tower, green bands; 33.	
		*		*	*		
*19362 <i>E 5781.1</i>	Ardesen, breakwater, head.	41° 12.0' N 40° 59.6' E	Fl.G. period 5s fl. 1s, ec. 4s	36 11	7	Concrete tower; 23.	
							41/02

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SECTION II

SUMMARY OF CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*19362.5 -Inner breakwater, head. <i>E 5781.2</i>		41° 11.8' N 40° 59.5' E	Fl.R. period 5s fl. 1s, ec. 4s	33 10	7	Concrete tower; 20.	
							41/02
19448 Cam Burnu. <i>E 5794</i>		41° 07.0' N 37° 47.3' E	Fl.W. period 10s fl. 1s, ec. 9s	127 39	18	White stone tower on hut; 20.	
	*				*		42/02
19512 Sinop, on Bozlepe Burnu. <i>E 5808</i>		42° 01.3' N 35° 12.5' E	Fl.(2)W. period 15s fl. 1s, ec. 3s fl. 1s, ec. 10s	351 107	10	White masonry tower; 13.	Siren: 3 bl. ev. 32s.
							*
							39/02
19556 Kerempe Burnu, near <i>E 5816</i> extremity.		42° 01.2' N 33° 20.2' E	L.Fl.W. period 20s fl. 2s, ec. 18s	269 82	20	Tower, white hut; 26.	Siren: 3 bl. ev. 32s.
							*
							39/02
*19973 -Dalyan. <i>E 4655.2</i>		38° 21.5' N 26° 19.1' E	Fl.W. period 5s fl. 1s, ec. 4s	33 10	7	Metal tower.	
							42/02
20680 Tasucu, breakwater, head. <i>E 5871.3</i>		36° 18.9' N 33° 52.9' E	Fl.(2)R. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	43 13	7	White metal framework tower; 26.	
	*						41/02
20684 -Inner breakwater, head. <i>E 5871.32</i>		36° 19.0' N 33° 52.9' E	Fl.(2)G. period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	36 11	7	White metal framework tower; 23.	
	*						41/02
20752 Deli Burnu. <i>E 5873.8</i>		36° 43.4' N 34° 54.5' E	Fl.(2)W. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	33 10	9	White lattice mast; 26.	
	*						42/02
*25049 Loading Berth. <i>D 8581.7</i>		5° 10.2' N 5° 10.7' E	Mo.(U)W. period 15s	66 20	7		
RACON			D(-•)				43/02

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SECTION II

CORRECTIONS TO PUB 114, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2776 Rattray Head. A 3304		57° 36.6' N 1° 48.9' W	Fl.(3)W. period 30s fl. 0.7s, ec. 2s fl. 0.7s, ec. 2s fl. 0.7s, ec. 23.9s	92 28	24	White tower, lower part granite, upper brick; 112.	R. lights on masts.
RACON		M(–)		15			*
							45/02
JERSEY:							
8100 -La Corbiere. A 1620		49° 10.8' N 2° 14.9' W	Iso.W.R. period 10s	119 36	W. 18 R. 16	Circular stone tower; 62.	W. shore-294°, R.-328°, W.- 148°, R.-shore. Horn: Mo.(C) ev. 60s.
							*
							45/02

CORRECTIONS TO PUB 114, RADIOBEACONS, 2002 EDITION

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
*Delete Note:							
290 La Corbiere Light, Jersey							Remove from list.

CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*4929 -Flatoyflu. L 0240.2		61° 19.0' N 5° 03.3' E	V.Q.(3)W. period 5s	21 6		Lantern on post.	
							45/02
*4930 -Nordost Flatoy. L 0240.4		61° 19.5' N 5° 03.6' E	Q.R.	21 6		Lantern on post.	
							45/02
*4931 -Haneskeret. L 0239		61° 19.5' N 5° 04.1' E	Q.G.	20 6		Lantern on post.	
							45/02

CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
44 Kabblingarna, on S. islet. B 2181		58° 54.8' N 11° 05.7' E	Fl.W.R.G. period 9s	16 5	W. 6 R. 4 G. 3	Red lantern.	R. 187°30'-202°, G.-035°, W.- 062°, R.-075°30'.
			*	*			45/02
959 Bo. C 0556.3		57° 42.2' N 11° 41.1' E	Q.W.	16 5	5		
			*				45/02
*1058 -Svensholmen E. C 0618		57° 37.8' N 11° 46.2' E	Fl.W. period 5s	10 3	2	Yellow post, white daymark.	
							45/02

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SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 45/02**

Note: * indicates New Edition/New Publication; ** indicates Publication Canceled; N indicates Not For Sale

NIMA Reference No.	Ed.	Notice to Mariners No.			
NOSPBCP9	20	12*,20,23,33,37, 45/02			
RADIO NAVIGATIONAL AIDS					
RAPUB117	2001	11*,12,13,14,15,16, 17,18,19,20,21,22, 23,24,25,26,27,28, 29,30,31,36,37,38, 39,40,42,44,47,48, 49,50/01			
AMERICAN PRACTICAL NAVIGATOR					
NVPUB9	2002	36/02*			
INTERNATIONAL CODE OF SIGNALS					
NVPUB102	1999	46/99*;52/01			
WORLD PORT INDEX					
NVPUB150	2000	50/00*;14,15,16,20, 21,41,42,43,44,45, 46,47,48,49,51, 52/01;1,2,5,6,10,11, 12,16,19,21,22,27, 31,32,33,36,39,40, 42/02			
DISTANCES BETWEEN PORTS					
NVPUB151	2001	4/02*			
RADAR NAVIGATION AND MANEUVERING BOARD MANUAL					
CDPUBNV1310	2001	51/01*			
SIGHT REDUCTION TABLES (MARINE)					
SRPUB229V1	1970	11/71*			
SRPUB229V2	1970	11/71*			
SRPUB229V3	1970	7/71*			
SRPUB229V4	1970	3/71*			
SRPUB229V5	1970	3/71*			
SRPUB229V6	1970	23/70*			
SIGHT REDUCTION TABLES (AIR)					
SRPUB249V1	2000	4/01*			
SRPUB249V2	1952	46/52*			
SRPUB249V3	1952	46/52*			
CHART NO. 1					
WOBZC1	1997	18/98*			
CHART NO. 4					
WOBZC4	1988	N20/89*			
ATLAS OF PILOT CHARTS					
NVPUB107	1998	30/99*			
USCG NAVIGATION RULES					
COMDTM166722D	1999	44/99*;52/00			
NOS TIDE TABLES					
NOSPBTTCWPACIN2	2002	N52/01*			
NOSPBTTECSTNSA2	2002	N52/01*			
NOSPBTTEURAFR2	2002	N52/01*			
NOSPBTWCSTNSA2	2002	N52/01*			
TIDAL CURRENT TABLES					
NOSPBTCTATCSTN2	2002	N52/01*;N9/02			
NOSPBTCTPACAS2	2002	N52/01*			

SECTION III

NM 45/02

BROADCAST WARNINGS

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

NAVAREA IV

Messages in force 241200Z October 2002:

2001 series	219(GEN)	351(11)	377(14)	395(GEN)	402(GEN)
393(GEN)	332(GEN)	365(14)	383(11,26)	398(11,26)	403(38)
2002 series	346(GEN)	367(GEN)	394(11)	399(GEN)	

The summary of all NAVAREA IV messages in force as of 13 December 2001 is given in Section III of NM 52/01. Warnings issued during the subsequent quarters are issued in NM 13/02, 26/02 and 39/02.

NAVAREA IV WARNINGS issued from 171200Z to 241200Z October 2002.

398/02(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:

- A. 210400Z TO 280359Z OCT IN AREA BOUND BY 30-45N 080-54W, 30-45N 080-11W, 30-36N 080-11W, 30-34N 080-33W.
- B. 210400Z TO 280359Z OCT IN AREA BETWEEN 29-20N 29-10N AND 079-50W 079-40W.
- C. 1300Z TO 0500Z COMMENCING DAILY 22 THRU 25 OCT IN AREA BETWEEN 30-00N 29-50N AND 081-00W 080-50W.
- D. 221600Z TO 221900Z OCT IN AREA BOUND BY 30-35N 081-21W, 30-35N 081-00W, 30-00N 081-02W, 30-00N 081-15W.

2. CANCEL THIS MSG 280459Z OCT.

(181527Z OCT 2002)

399/02(GEN).

1. NAVAREA IV MESSAGES IN FORCE 191000Z OCT 2002. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2002 SERIES: 346(GEN), 348(GEN), 351(11), 365(14), 367(GEN), 377(14), 383(11,26), 388(11,26), 391(GEN), 394(11), 395(GEN), 398(11,26).

2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 13 DEC 2001 IS GIVEN IN SEC III OF NM 52/01. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/02 AND 26/02.
3. CANCEL NAVAREA IV 386/02.

(191005Z OCT 2002)

400/02 and 401/02. CANCELED.

402/02(GEN). GPS SATELLITE SYSTEM.

1. PRN 22 UNUSABLE 251730Z TO 260530Z OCT.
2. CANCEL THIS MSG 260630Z OCT.

(222115Z OCT 2002)

403/02(38). NORTH ATLANTIC. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 250001Z TO 262359Z OCT IN AREA BOUND BY 62-46N 036-18W, 64-30N 033-10W, 62-50N 027-23W, 61-00N 030-00W.
2. CANCEL THIS MSG 270059Z OCT.

(241120Z OCT 2002)

SECTION III**HYDROLANTS**

Messages in force 241200Z October 2002:

2000 series	2706(37)	1066(37)	2156(GEN)	2270(52,53)	2329(24)
1569(36)	2864(53)	1159(51)	2158(35)	2282(36)	2332(51)
2353(36)	2916(37)	1290(53)	2171(57)	2291(24)	2336(53)
2937(38)	2948(36)	1485(24)	2177(55)	2292(GEN)	2337(24)
3762(43)	3161(44)	1798(43)	2203(51)	2294(53)	2338(24)
4265(44)	2002 series	1895(23)	2205(37)	2297(24)	2339(53)
2001 series	11(54)	1986(GEN)	2211(37)	2298(55)	2341(GEN)
470(53)	134(37)	2027(GEN)	2219(53)	2307(24)	2343(37)
611(44)	245(GEN)	2029(53)	2220(55)	2308(55)	2344(53,56)
1116(36)	246(GEN)	2037(57)	2228(35)	2310(52,53)	2345(53)
1798(37)	321(52)	2055(53)	2230(53)	2313(23)	2346(38)
1885(44)	349(54)	2105(53)	2237(24)	2314(GEN)	
2066(37)	383(53)	2117(GEN)	2243(37)	2321(57)	
2659(GEN)	946(53)	2149(23,24)	2247(24)	2323(23)	
2700(37)	1065(53)	2155(51)	2268(36)	2328(36,37)	

The summary of all HYDROLANTS in force as of 13 December 2001 is given in Section III of NM 52/01.
 Warnings issued during the subsequent quarters are issued in NM 13/02, 26/02 and 39/02.

HYDROLANT WARNINGS issued from 171200Z to 241200Z October 2002.

2298/02(55). BLACK SEA. GUNNERY.

1. GUNNERY EXERCISES 0600Z TO 1400Z DAILY 22 THRU 24 OCT
IN AREA BOUND BY 45-01.2N 035-58.2E, 45-02.9N 036-03.9E,
45-01.8N 036-13.5E, 44-54.2N 036-05.5E, 45-01.2N 035-55.5E.
2. CANCEL THIS MSG 241500Z OCT.

(171758Z OCT 2002)

2299/02 thru 2306/02. CANCELED.

2307/02(24). BRAZIL-NORTH COAST.

M/V NIZA II, WHITE AND BROWN HULL, FOUR PERSONS ON BOARD,
UNREPORTED RIO PARA TO OIAPOQUE. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO ANY COASTAL RADIO STATION.

(181537Z OCT 2002)

2308/02(55). BLACK SEA. GUNNERY.

1. GUNNERY EXERCISES 0800Z TO 1400Z DAILY 22 THRU 24 OCT
IN AREA BOUND BY 45-01.2N 035-58.2E, 45-01.8N 036-13.5E,
44-54.2N 036-05.5E, 45-01.2N 035-55.5E.
2. CANCEL THIS MSG 241500Z OCT.

(181610Z OCT 2002)

2309/02. CANCELED.

2310/02(52,53). TUNISIA-NORTH COAST.

CREW OF M/V URANIA ABANDONED SHIP IN LIFERAFT
IN 37-34N 009-54E. VESSELS IN VICINITY REQUESTED TO
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO
MRCC ROME, INMARSAT-C: 4247 44220, TELEX: 4361 1172,
PHONE: 390 6592 4145, FAX: 390 6592 2737.

(182225Z OCT 2002)

2311/02 and 2312/02. CANCELED.

2313/02(23). SOUTH ATLANTIC. ICE.

1. ICEBERG, 15 MILES BY THREE MILES, REPORTED VICINITY
54-04.3S 062-22.5W.
2. CANCEL THIS MSG 26 OCT.

(190920Z OCT 2002)

SECTION III

2314/02(GEN).

1. HYDROLANT MESSAGES IN FORCE 191200Z OCT 2002. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2002 SERIES: 2027(GEN), 2029(53), 2033(GEN), 2037(57), 2055(53),
2105(53), 2117(GEN), 2149(23,24), 2155(51), 2156(GEN), 2158(35),
2171(57), 2177(55), 2203(51), 2205(37), 2211(37), 2219(53),
2220(55), 2228(35), 2230(53), 2237(24), 2243(37), 2247(24),
2252(24), 2268(36), 2270(52,53), 2282(36), 2283(GEN),
2284(23,29), 2288(24), 2291(24), 2292(GEN), 2294(53), 2296(24),
2297(24), 2298(55), 2299(37), 2301(24), 2302(24), 2303(24),
2304(24), 2305(24), 2306(55), 2307(24), 2308(55), 2310(52,53),
2312(24), 2313(23).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 13 DEC 2001 IS GIVEN IN SEC III OF NM 52/01. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/02 AND 26/02.
3. CANCEL HYDROLANT 1191/02, 1950/02, 1952/02, 1969/02,
2248/02, 2254/02, 2295/02, 2311/02.

(191210Z OCT 2002)

2315/02 thru 2320/02. CANCELED.

2321/02(57). GULF OF GUINEA.

1. SEISMIC SURVEY IN PROGRESS UNTIL 30 NOV BY M/V CGG FOHN TOWING SIX 6000 METER LONG CABLES IN AREA BETWEEN 04-08N 03-49N AND 008-18E 008-45E. FOUR MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 2317/02(51).
3. CANCEL THIS MSG 01 DEC.

(201640Z OCT 2002)

2322/02. CANCELED.

2323/02(23). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED:
 - A. IN AREA BETWEEN 43-02.0S 43-32.0S AND 029-31.0W 031-02.0W.
 - B. IN AREA BETWEEN 49-37.0S 50-31.0S AND 031-40.0W 035-31.0W.
 - C. IN AREA BETWEEN 49-15.0S 50-15.0S AND 046-00.0W 050-00.0W.
 - D. 15 BY 60 MILES, IN 48-09.6S 033-37.7W.
 - E. IN 47-21.0S 058-37.3W.
 - F. IN 47-23.2S 058-39.2W.
2. CANCEL THIS MSG 28 OCT.

(210213Z OCT 2002)

2324/02 thru 2327/02. CANCELED.

2328/02(36,37). CELTIC SEA.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 47-27.5N 007-37.7W AT 210700Z OCT. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC ETEL, TELEX: 42950519, PHONE: 332 9755 3535, FAX: 332 9755 4934.

(210755Z OCT 2002)

2329/02(24). BRAZIL-EAST COAST.

- CHART 24210 (14TH ED).
1. SERGipe LIGHT 10-58.2S 037-02.2W UNLIT.
 2. CANCEL HYDROLANT 2315/02(52).

(210920Z OCT 2002)

2330/02 and 2331/02. CANCELED.

2332/02(51). NORTH ATLANTIC.

1. TWO CONTAINERSADRIFT VICINITY 40-05N 016-30W AT 211500Z OCT.
2. CANCEL THIS MSG 28 OCT.

(211915Z OCT 2002)

2333/02 thru 2335/02. CANCELED.

2336/02(53). SICILIA-EAST COAST. GUNNERY.

1. GUNNERY EXERCISES SUNSET TO SUNRISE COMMENCING 23 OCT IN AREA BOUND BY 37-22-30N 015-20-00E, 37-22-30N 015-29-00E, 37-04-30N 015-29-00E, 37-04-30N 015-21-24E, 37-14-14N 015-15-15E.
2. CANCEL THIS MSG 25 OCT.

(221358Z OCT 2002)

SECTION III

NM 45/02

2337/02(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 26 OCT BY
M/V BULLDOG TOWING 15 METER LONG CABLE IN
AREA BOUND BY 11-01.4S 036-58.7W,
11-01.7S 036-53.6W, 11-02.9S 036-51.9W,
11-04.0S 037-04.3W. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 27 OCT.

(221420Z OCT 2002)

2338/02(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 24 OCT BY
M/V RAMFORM EXPLORER TOWING EIGHT 6853 METER
LONG CABLES IN AREA BOUND BY
00-31.0S 044-17.4W, 00-08.6S 043-52.5W,
00-15.2S 043-43.7W, 00-45.0S 044-17.2W.
FIVE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 25 OCT.

(221425Z OCT 2002)

2339/02(53). SARDEGNA-EAST COAST.

CHART 53130 (1ST ED).
CAPO FERRATO LIGHT 39-17.7N 009-38.0E UNLIT.

(221905Z OCT 2002)

2340/02. CANCELED.

2341/02(GEN). GPS SATELLITE SYSTEM.

1. PRN 22 UNUSABLE 251730Z TO 260530Z OCT.
2. CANCEL THIS MSG 260630Z OCT.

(222130Z OCT 2002)

2342/02. CANCELED.

2343/02(37). BAY OF BISCAY.

24.9 METER F/V AN CAPELL BAN, 12 PERSONS ON BOARD, DISABLED
AND IN NEED OF ASSISTANCE IN 46-50.6N 005-20.3W AT 232019Z OCT.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO MRCC ETEL,
TELEX: 4295059, PHONE: 332 9755 3535, FAX: 332 9755 4934.

(232155Z OCT 2002)

2344/02(53,56). EASTERN MEDITERRANEAN SEA. GUNNERY.

1. GUNNERY EXERCISES 0700Z TO 1400Z DAILY 29 AND 30 OCT
IN AREA BETWEEN 33-10N 34-05N AND 013-30E 014-40E.
2. CANCEL THIS MSG 301500Z OCT.

(240920Z OCT 2002)

2345/02(53). TYRRHENIAN SEA. GUNNERY.

1. GUNNERY EXERCISES 0700Z TO 1400Z DAILY 24 AND 25 OCT
IN AREA BOUND BY 41-15N 009-55E, 41-15N 010-25E,
41-05N 010-55E, 41-05N 009-55E.
2. CANCEL THIS MSG 251500Z OCT.

(241040Z OCT 2002)

2346/02(38). NORTH ATLANTIC. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 250001Z TO 262359Z OCT
IN AREA BOUND BY 62-46N 036-18W, 64-30N 033-10W,
62-50N 027-23W, 61-00N 030-00W.
2. CANCEL THIS MSG 270059Z OCT.

(241125Z OCT 2002)

SECTION III**NAVAREA XII**

Messages in force 241200Z October 2002:

2001 series	178(GEN)	270(GEN)	296(GEN)	301(18)
298(GEN)	255(GEN)	271(19)	298(GEN)	
2002 series	260(GEN)	290(83)	300(GEN)	

The summary of all NAVAREA XII messages in force as of 13 December 2001 is given in Section III of NM 52/01. Warnings issued during the subsequent quarters are issued in NM 13/02, 26/02 and 39/02.

NAVAREA XII WARNINGS issued from 171200Z to 241200Z October 2002.

298/02(GEN).

1. NAVAREA XII MESSAGES IN FORCE 191000Z OCT 2002. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2002 SERIES: 260(GEN), 270(GEN), 271(19), 290(83), 293(GEN), 296(GEN), 297(18).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 13 DEC 2001 IS GIVEN IN SEC III OF NM 52/01. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/02 AND 26/02.
3. CANCEL NAVAREA XII 288/02.

(191010Z OCT 2002)

299/02. CANCELED.

300/02(GEN). GPS SATELLITE SYSTEM.

1. PRN 22 UNUSABLE 251730Z TO 260530Z OCT.
2. CANCEL THIS MSG 260630Z OCT.

(222135Z OCT 2002)

301/02(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:

A. 34-02N 119-04W.	M. THENCE THREE NAUTICAL MILES FROM AND PARALLEL
B. 33-52N 119-06W.	TO THE SHORELINE.
C. 33-29N 119-07W.	N. 34-24N 120-30W.
D. 33-29N 118-37W.	O. 34-08N 120-26W.
E. 33-20N 118-37W.	P. 34-08N 119-40W.
F. 32-11N 120-16W.	Q. 34-00N 119-40W.
G. 31-54N 121-35W.	R. 34-06N 119-13W.
H. 35-09N 123-39W.	S. 34-06N 119-11W.
I. 35-29N 123-00W.	T. 34-07N 119-10W.
J. 35-04N 122-43W.	U. 34-07N 119-07W.
K. 35-57N 121-32W.	V. 34-04N 119-04W.
L. 34-59N 120-42W.	
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
4. CANCEL NAVAREA XII 297/02.

(241010Z OCT 2002)

SECTION III

NM 45/02

HYDROPACS

Messages in force 241200Z October 2002:

2000 series	787(71)	1695(71,93)	1785(95)	1910(81)	1959(GEN)
597(73)	828(62)	1699(92)	1786(81)	1912(71)	1960(74)
1557(94)	882(62)	1703(19)	1793(95)	1913(81)	1961(93)
2001 series	1078(72)	1714(94)	1806(93)	1914(61)	1963(81)
725(74)	1147(92)	1723(81,91,97)	1808(62)	1916(92)	1967(82)
1556(71)	1315(62)	1724(81,92)	1815(63)	1917(81)	1969(94)
1636(96)	1550(94)	1729(94)	1822(94)	1922(76)	1970(63)
1647(GEN)	1588(75)	1732(97)	1823(71)	1923(83)	1971(63)
1929(76)	1607(93)	1738(97)	1825(81)	1926(92)	1972(91)
1976(62)	1629(GEN)	1749(81)	1831(81)	1930(75)	1973(GEN)
2062(61)	1635(62)	1750(71)	1832(81)	1936(GEN)	1975(62)
2002 series	1639(81)	1751(81)	1835(96)	1937(81)	1981(62)
146(62)	1642(81)	1752(91,92)	1836(96)	1940(63)	1982(73,81,82)
196(61)	1646(81)	1757(GEN)	1842(22)	1945(61)	1983(63)
205(GEN)	1661(GEN)	1762(71)	1843(22)	1949(61)	1984(74,75,76)
206(GEN)	1666(81)	1764(81)	1856(83)	1951(94)	1985(96)
207(93)	1668(81,92)	1765(71)	1865(81,92)	1952(95,96)	1986(74)
352(73)	1669(97)	1767(63)	1868(97)	1953(83)	1987(GEN)
403(72,73)	1670(83)	1775(94,95)	1877(83)	1954(62)	
496(75)	1675(93)	1776(94,95)	1881(81,91,97)	1955(71)	
637(75)	1677(74)	1780(94,95)	1885(91,93,94)	1956(61)	
753(62)	1685(81)	1784(95)	1893(74)	1958(61)	

The summary of all HYDROPACS in force as of 13 December 2001 is given in Section III of NM 52/01. Warnings issued during the subsequent quarters are issued in NM 13/02, 26/02 and 39/02.

HYDROPAC WARNINGS issued from 171200Z to 241200Z October 2002.

1949/02(61). INDIAN OCEAN. MASCARENE ISLANDS.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 20-42S 056-44E.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO MRCC REUNION,
INMARSAT-C: 4227 99193, TELEX: 916140,
PHONE: 26 243 4343, FAX: 26 271 1595.

(172240Z OCT 2002)

1950/02. CANCELED.

1951/02(94). EAST CHINA SEA.

1. CABLE REPAIR OPERATIONS 22 THRU 31 OCT,
ALTERNATE 01 THRU 05 NOV BY M/V KDD PACIFIC LINK
AND M/V KOUSHIN MARU IN AREA BOUND BY
25-49.2N 122-19.6E, 25-33.7N 122-31.6E,
25-30.6N 122-26.7E, 25-46.1N 122-14.7E.
2. CANCEL HYDROPAC 1735/02(72), OPERATIONS COMPLETED.
3. CANCEL THIS MSG 06 NOV.

(180940Z OCT 2002)

1952/02(95,96). SEA OF JAPAN. MISSILES.

1. HAZARDOUS OPERATIONS 2300Z TO 0200Z COMMENCING DAILY 21 THRU 24 OCT
AND 0400Z TO 0800Z DAILY 22 THRU 25 OCT IN AREA BOUND BY
41-40N 131-41E, 42-40N 131-41E, 42-51N 132-04E,
42-38N 132-23E, 42-38N 132-49E, 41-40N 132-49E.
2. CANCEL HYDROPAC 1947/02.
3. CANCEL THIS MSG 250900Z OCT.

(180950Z OCT 2002)

1953/02(83). SOUTH PACIFIC. ILES DE LA SOCIETE.

VESSEL POTI MARARA UNREPORTED MOOREA TO MAIAO. LAST KNOWN
POSITION 17-39S 150-10W AT 180100Z OCT. VESSELS IN
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF
POSSIBLE. REPORTS TO MRCC PAPEETE, INMARSAT-C: 5824 2279 9192,
PHONE: 689 462 432, FAX: 689 423 915.

(181110Z OCT 2002)

1954/02(62). PERSIAN GULF. SAUDI ARABIA. GUNNERY.

1. GUNNERY EXERCISES 0230Z TO 2100Z DAILY 21 THRU 27 OCT
IN AREA BOUND BY 27-51N 049-52E, 27-50N 049-36E,
27-26N 049-51E, 27-27N 050-27E, 27-37N 050-22E.
2. CANCEL THIS MSG 272200Z OCT.

(181456Z OCT 2002)

SECTION III

1955/02(71). SOUTH CHINA SEA.

DISTRESS SIGNAL RECEIVED VICINITY 00-59.5N 107-34.4E.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO SINGAPORE PORT OPERATION
CONTROL CENTER, TELEX: 20021, FAX: 656 227 9971.

(181650Z OCT 2002)

1956/02(61). INDIAN OCEAN. MASCARENE ISLANDS.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 23-52.1S 053-13.3E.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO MRCC REUNION,
INMARSAT-C: 4227 99193, TELEX: 916140,
PHONE: 26 243 4343, FAX: 26 271 1595.

(182120Z OCT 2002)

1957/02. CANCELED.

1958/02(61). INDIAN OCEAN. MASCARENE ISLANDS.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 25-26.6S 052-27.6E.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO MRCC REUNION,
INMARSAT-C: 4227 99193, TELEX: 916140,
PHONE: 26 243 4343, FAX: 26 271 1595.

(190850Z OCT 2002)

1959/02(GEN).

1. HYDROPAAC MESSAGES IN FORCE 191200Z OCT 2002. ONLY THOSE
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2002 SERIES: 1635(62), 1639(81), 1642(81), 1646(81), 1661(GEN),
1666(81), 1668(81,92), 1669(97), 1670(83), 1675(93), 1677(74),
1685(81), 1695(71,93), 1699(92), 1703(19), 1714(94),
1723(81,91,97), 1724(81,92), 1729(94), 1732(97), 1738(97),
1749(81), 1750(71), 1751(81), 1752(91,92), 1757(GEN), 1762(71),
1764(81), 1765(71), 1767(63), 1775(94,95), 1776(94,95),
1780(94,95), 1784(95), 1785(95), 1786(81), 1789(91,93,94),
1793(95), 1806(93), 1808(62), 1815(63), 1822(94), 1823(71),
1825(81), 1831(81), 1832(81), 1835(96), 1836(96), 1842(22),
1843(22), 1856(83), 1865(81,92), 1868(97), 1877(83),
1881(81,91,97), 1885(91,93,94), 1893(74), 1894(62), 1902(63),
1903(63), 1910(81), 1912(71), 1913(81), 1914(61), 1916(92),
1917(81), 1922(76), 1923(83), 1924(63), 1926(92), 1929(GEN),
1930(75), 1931(23,29), 1936(GEN), 1937(81), 1940(63), 1945(61),
1946(62), 1948(GEN), 1949(61), 1951(94), 1952(95,96), 1953(83),
1954(62), 1955(71), 1956(61), 1957(63), 1958(61).

2. THE SUMMARY OF ALL HYDROPAAC MESSAGES IN FORCE AS OF
13 DEC 2001 IS GIVEN IN SEC III OF NM 52/01. WARNINGS
ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED
IN NM 13/02 AND 26/02.

3. CANCEL HYDROPAAC 1587/02, 1592/02, 1621/02, 1624/02,
1853/02, 1897/02.

(191220Z OCT 2002)

1960/02(74). AUSTRALIA-NORTHWEST COAST.

1. DERELICT 9.1 METER F/V ADRIFT VICINITY 11-27S 124-14E
AT 200809Z OCT.
2. CANCEL HYDROPAAC 1606/02.
3. CANCEL THIS MSG 27 OCT.

(201010Z OCT 2002)

1961/02(93). SOUTH CHINA SEA.

DISTRESS SIGNAL RECEIVED ON 406 MHZ FROM VESSEL RABIGH BAY 3
IN 16-20N 114-40E. VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO PAC RCC,
TELEX: 392401, PHONE: 808 531 1112, FAX: 808 541 2123.

(201738Z OCT 2002)

1962/02. CANCELED.

1963/02(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 06-19.4N 132-30.4E
AT 210230Z OCT. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC GUAM, TELEX: 392401,
PHONE: 671 339 6100, FAX: 671 339 6210.

(210420Z OCT 2002)

1964/02 thru 1966/02. CANCELED.

SECTION III

NM 45/02

1967/02(82). SOUTH PACIFIC. SOLOMON ISLANDS.

6.4 METER F/V, BLUE HULL, TWO PERSONS ON BOARD, OVERDUE HONIARA
TO 09-24S 159-29E. VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC AUSTRALIA,
TELEX: 7162025, PHONE: 612 6230 6811, FAX: 612 6230 6868.

(220205Z OCT 2002)

1968/02. CANCELED.

1969/02(94). EAST CHINA SEA.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 26-20.8N 121-12.8E.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO PAC RCC, TELEX: 392401,
PHONE: 808 531 1112, FAX: 808 541 2123.

(220720Z OCT 2002)

1970/02(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY 25 AND 29 OCT
IN AREA BOUND BY 09-57.6N 075-59.5E, 09-57.7N 076-14.2E,
09-40.0N 076-14.5E, 09-42.5N 076-09.5E.
2. CANCEL THIS MSG 291630Z OCT.

(220740Z OCT 2002)

1971/02(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 31 DEC BY
M/V SAGAR SANDHANI TOWING TWO 6500 METER
LONG CABLES IN AREA BOUND BY
19-27N 072-00E, 19-27N 072-26E,
18-58N 072-20E, 18-58N 072-00E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 JAN 03.

(220750Z OCT 2002)

1972/02(91). PHILIPPINE SEA.

1. DISTRESS SIGNAL RECEIVED ON 121 MHZ IN 20-23.2N 123-09.7E.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO PAC RCC, TELEX: 392401,
PHONE: 808 531 1112, FAX: 808 541 2123.
2. CANCEL HYDROPAC 1968/02.

(221749Z OCT 2002)

1973/02(GEN). GPS SATELLITE SYSTEM.

1. PRN 22 UNUSABLE 251730Z TO 260530Z OCT.
2. CANCEL THIS MSG 260630Z OCT.

(222140Z OCT 2002)

1974/02. CANCELED.

1975/02(62). PERSIAN GULF. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 240600Z TO 260500Z OCT
IN AREA BETWEEN 26-26N 26-39N AND 051-18E 051-40E.
2. CANCEL THIS MSG 260600Z OCT.

(230620Z OCT 2002)

1976/02 thru 1980/02. CANCELED.

1981/02(62). INDIA-WEST COAST.

MAN OVERBOARD FROM M/V SAGAR SANDHANI VICINITY 19-04N 072-05E
AT 230840Z OCT. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO ANY COASTAL RADIO STATION.

(240510Z OCT 2002)

1982/02(73.81.82). SOUTH PACIFIC. ADMIRALTY ISLANDS.

1. 34 FOOT S/V BANSHEE, GREY, WHITE AND BLUE HULL, TWO PERSONS ON BOARD,
UNREPORTED. LAST KNOWN POSITION 01-30S 145-10E ON 20 OCT. VESSELS
IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC AUSTRALIA, TELEX: 7162025, PHONE: 612 6230 6811,
FAX: 612 6230 6868.
2. CANCEL HYDROPAC 1965/02.

(240520Z OCT 2002)

1983/02(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 30 NOV BY
M/V RAMFORM VANGUARD TOWING 8600 METER LONG
CABLE IN AREA BOUND BY 19-02N 069-51E,
19-07N 070-20E, 18-25N 070-55E,
18-25N 072-00E, 17-50N 072-00E,
17-54N 070-52E. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 DEC.

(240610Z OCT 2002)

SECTION III

1984/02(74,75,76). AUSTRALIA TO NEW ZEALAND.

7.7 METER VESSEL DREAMWEAVER II, WHITE HULL, TWO PERSONS ON BOARD, OVERDUE SYDNEY TO AUCKLAND VIA CAPE REIGNA. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC AUSTRALIA, TELEX: 7162025, PHONE: 612 6230 6811, FAX: 612 6230 6868.

(240710Z OCT 2002)

1985/02(96). NORTH PACIFIC. GUNNERY. MISSILES.

1. HAZARDOUS OPERATIONS 242100Z TO 242300Z AND 250100Z TO 250400Z OCT IN AREA BETWEEN 52-30N 52-55N AND 158-50E 159-40E.
2. CANCEL HYDROPAC 1974/02(74), AID RESTORED.
3. CANCEL HYDROPAC 1978/02.
4. CANCEL THIS MSG 250500Z OCT.

(240740Z OCT 2002)

1986/02(74). AUSTRALIA-NORTHWEST COAST.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY M/V PACIFIC SWORD TOWING TWO 3 MILE LONG CABLES IN AREA BETWEEN 20-30S 21-10S AND 115-00E 115-20E. WIDE BERTH REQUESTED.

(241055Z OCT 2002)

1987/02(GEN). NORTH PACIFIC. JAPAN.

1. LORAN-C STATION GESASHI, RATES 8930-W AND 9930-X, OFF AIR 290001Z TO 290800Z OCT, ALTERNATE 300001Z TO 300800Z OCT.
2. CANCEL THIS MSG 300900Z OCT.

(241110Z OCT 2002)

MARAD ADVISORIES

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NIMA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html), by referring to Section I (paragraph 50) of US Notice to Mariners 1/02 for those in-force as of 19 December 2001, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 24 October 2002: 00-7, 01-1, 01-5, 01-7, 02-2, 02-5 and 02-7.

SPECIAL WARNINGS

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NIMA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/02 for those in-force as of 19 December 2001.

SPECIAL WARNINGS in force 24 October 2002: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119 and 120.

MARINE INFORMATION

Pub. 113, 2002 Edition, List of Lights, Radio Aids and Fog Signals for the West Coasts of Europe and Africa, the Mediterranean Sea, Black Sea and Azovskoye More (Sea of Azov), is ready for issue.

This edition contains information available to the National Imagery and Mapping Agency (NIMA) up to 14 September 2002, including Notice to Mariners No. 37 of 2002.

Corrections subsequent to the above effective date, up to and including Notice to Mariners No. 45 of 2002, are contained in Section II of this Notice.

In the interval between new editions, corrective information affecting this publication will be published in the Notice to Mariners and must be applied in order to keep this publication current.

Note: Copies of the above publication may be obtained from the Government Printing Office (GPO).

MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

Observer: name(s) of person(s) making observation and rank, rate or title.

Ship/Organization: name of vessel or organization.

Address: complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

Date of Observation: day, month and year at which the observation was made.

Time of Observation: local time at which the observation was made.

Latitude/Longitude: exact position of the observation expressed as accurately as possible.

Datum: horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

Navigation System: method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

Verified by Navigator: indicate whether observation was verified by navigator.

Product(s) Affected: product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

Edition: edition number and/or year of affected product.

Latest correction applied: the latest Notice to Mariners to which your copy of affected product has been corrected.

Sounding sensor or method used: equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

Soundings corrected for draft: indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

Details of Information Reported: use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NIMA to update our records and obtain additional or later information.

User Feedback: use this space to provide feedback and suggestions for improving NIMA's products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 44 (Worldwide Navigational Warnings Service).

Due to the large volume of information received, NIMA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of NIMA's Bathymetric Data Base. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).

MARINE INFORMATION REPORT AND SUGGESTION SHEET

Observer _____ Ship/Organization _____

Address _____

Email address _____

Date of Observation _____ Time of Observation (Local) _____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Product(s) Affected _____ Edition _____

Latest correction applied: N.M. _____

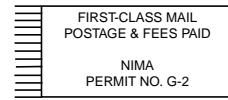
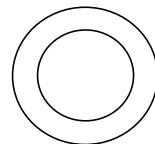
Sounding sensor or method used _____ Sounding(s) corrected for draft: Yes _____ No _____

Details of Information Reported (continue on additional sheets as necessary)

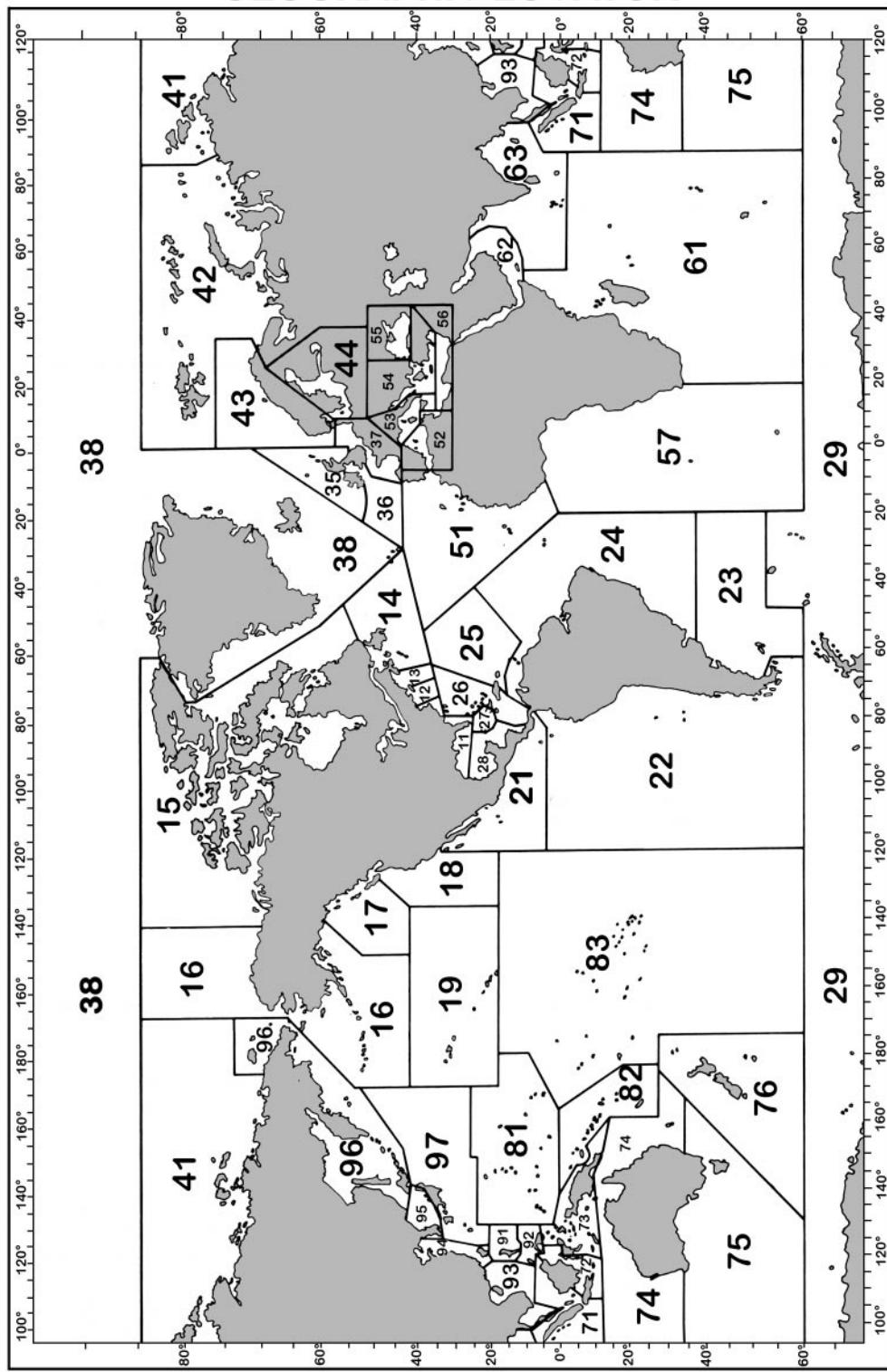
User Feedback (continue on additional sheets as necessary)



**MARITIME SAFETY INFORMATION DIVISION
ST D44
NATIONAL IMAGERY AND MAPPING AGENCY
4600 SANGAMORE ROAD
BETHESDA MD 20816-5003**



GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NIMA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Subregion number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

DEFENSE SUPPLY CENTER RICHMOND

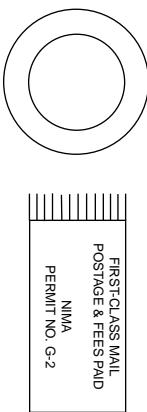
ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY
RICHMOND, VIRGINIA 23297-5338

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PENALTY FOR PRIVATE USE \$500

FIRST CLASS



**IMPORTANT
NAVIGATIONAL INFORMATION
TIME-DATED**



**NOTICE TO
MARINERS**

PLEASE EXPEDITE DELIVERY